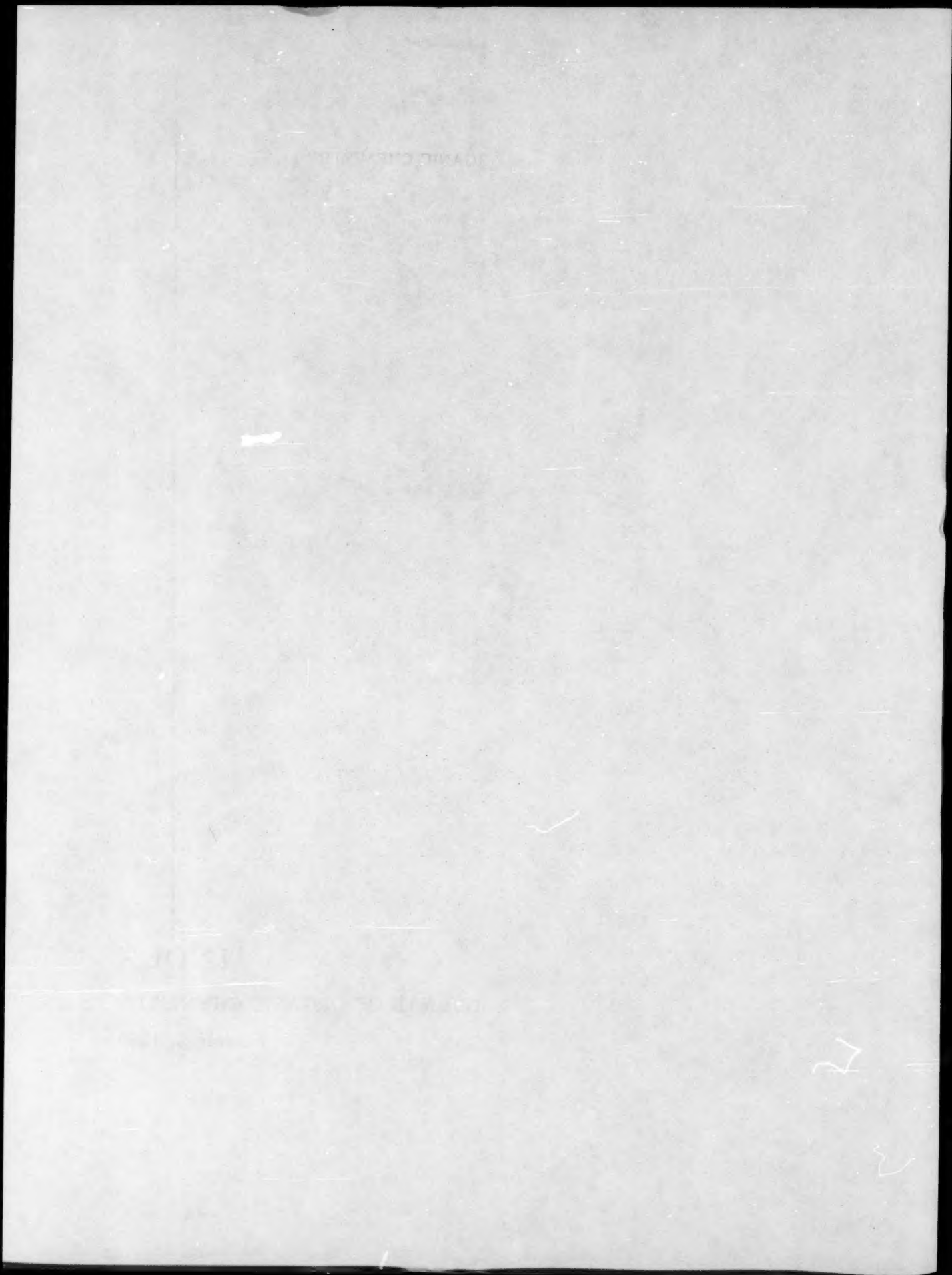


INDEX

JOURNAL OF ORGANIC CHEMISTRY

Volume 2, 1966



JOURNAL OF ORGANIC CHEMISTRY

Volume 2, 1966

(A translation of Zhurnal Organicheskoi Khimii)

A

Aboskalova, N. I. - 2090
 Abramova, N. I. - 501
 Afanas'ev, I. B. - 419, 1800
 Agaev, A. S. - 656
 Akhazaryan, A. A. - 1759
 Akhmedov, V. M. - 990, 1539
 Akhnazaryan, A. A. - 1762
 Akkerman, V. P. - 2121
 Aksanova, L. A. - 159
 Aksel'rod, Zh. I. - 1778
 Alaune, Z. B. - 434
 Aleksandrov, V. N. - 667
 Aleksanyan, V. T. - 745
 Alekseeva, L. K. - 798
 Alekseeva, Z. D. - 309, 388
 Alisova, E. V. - 1629
 Altukhova, L. B. - 385, 1586
 Alukhov, K. V. - 1870
 Ambrush, I. - 900
 Aminimauid, R. A. - 656
 Amosova, S. V. - 1110
 Ampilogova, N. A. - 1863
 Ananyan, É. S. - 1946
 Andreev, V. M. - 2025
 Andreeva, M. A. - 2171
 Andreichikov, Yu. S. - 382, 2034
 Androsova, N. G. - 132, 1074
 Anichkina, S. A. - 1871
 Annenkova, V. Z. - 1414
 Antonovskii, V. L. - 473
 Arbuzov, A. E. - 331
 Arbuzov, B. A. - 1391, 2148
 Artamkina, G. A. - 1327
 Askerov, G. F. - 558
 Askinazi, B. Z. - 1321
 Aslanov, I. A. - 558, 2108
 Aslanov, N. T. - 558
 Asscher, M. - 368
 Astakhova, R. S. - 2136
 Atavin, A. S. - 11, 194, 197, 599, 1110
 Aul'chenko, I. S. - 2015, 2019

B

Babayan, A. T. - 402, 1939, 1946, 1949, 1954, 2073, 2075, 2079

Babayan, V. O. - 189, 1356
 Babeshkina, L. D. - 1872
 Bagdasaryan, G. B. - 1949
 Bakhtinov, A. A. - 660
 Baklan, V. F. - 1611
 Bakova, E. A. - 2040
 Bal'yan, Kh. V. - 1553, 1897, 1902, 1906, 1719, 1723
 Balabanov, G. P. - 1249, 1749
 Balandin, A. A. - 807
 Belikova, N. A. - 1993
 Bagdasaryan, G. B. - 2073
 Balezina, G. G. - 2095, 2213
 Balitskaya, L. G. - 1409
 Baranetskaya, N. K. - 2220
 Baranova, M. A. - 159
 Barantsevich, E. N. - 648
 Barashkin, V. D. - 1315
 Barbs, N. A. - 1787
 Bardyshev, I. I. - 1031
 Barkhash, V. A. - 1077, 1871
 Bashakov, Yu. A. - 1411
 Baskakov, Yu. A. -
 Bataev, P. S. - 36, 39
 Batkibekova, M. - 1569
 Batog, A. E. - 247, 1044
 Bazanova, V. K. - 599, 805
 Beletskaya, I. P. - 1124, 1127, 1131, 1327, 2046, 2053
 Belikova, N. A. - 44, 50, 73, 1993, 2119
 Belov, V. I. - 637, 1790
 Belov, V. N. - 313, 2124
 Belyaev, V. F. - 301
 Belyanin, V. B. - 1141
 Berdinskii, I. S. - 309, 481, 862, 1382
 Berestovitskaya, V. M. - 1118
 Berezhnava, M. I. - 1344
 Berezina, R. N. - 1670, 1672
 Berezova, L. V. - 1910
 Berezovskaya, M. V. - 794, 1745
 Berlin, A. A. - 70
 Berlin, A. Ya. - 1111
 Beshenova, E. P. - 2003
 Beshpalova, I. I. - 1615
 Besprozvannaya, M. M. - 21, 304, 484, 1205, 1854

Bezhan, I. P. - 1505
 Bezuglyi, B. D. - 1096
 Blinov, B. B. - 1017
 Bobyleva, A. A. - 44, 50, 73, 1993
 Bochkareva, M. N. - 567, 570
 Bocharova, Yu. É. - 247
 Bogatkin, R. A. - 963
 Bogatskii, A. V. - 56, 1332
 Bogdanova, A. V. - 832
 Bogolyubskaya, L. T. - 1311
 Bogolyubskii, V. A. - 1311, 1420
 Bogoslovskii, N. V. - 150
 Boguslavskaya, I. L. - 720
 Boguslavskaya, L. S. - 1365, 1969
 Boiko, Yu. A. - 1000, 1893
 Boldyrev, B. G. - 91, 98, 274
 Bol'shedvorskaya, R. L. - 522
 Bolesov, I. G. - 1862
 Bondarenko, V. E. - 1052
 Bondarev, G. - 1543
 Bondarev, G. N. - 785, 997
 Borisova, A. I. - 557
 Borisova, N. - 1423
 Borodavko, N. D. - 354
 Borodulina, S. N. - 1082
 Braichenko, V. T. - 519
 Bratus, I. N. - 660
 Brodrikov, I. V. - 1112
 Bruk, Yu. A. - 315
 Bubel', O. N. - 1806
 Buchchenko, A. L. - 1298
 Bugianishvili, D. Ya. - 59
 Buival, N. V. - 2209
 Buka, M. R. - 79, 1074
 Bulatskii, N. P. - 2218
 Burdelev, O. T. - 1526, 1927, 1931
 Burmistrov, S. I. - 1809, 1813
 Burykina, L. K. - 2133
 Butin, K. P. - 2053
 Butskene, A. I. - 602, 864, 1503
 Butskus, P. F. - 602, 864, 1503
 Bychkova, T. I. - 449
 Bylina, G. S. - 2133
 Bzegilenko, N. B. - 1790

C

Chaika, E. A. - 1716
Chelpanova, L. F. - 604, 1543
Cheregoeva, E. V. - 1320
Cherkasov, L. N. - 1553, 1723, 1902, 1906
Cherkasova, V. A. - 8
Chernova, V. G. - 805, 1317
Chernykh, V. P. - 272
Chervenyuk, G. I. - 1237
Cheshko, R. S. - 1824
Chichkareva, G. G. - 805
Chirko, A. I. - 1999
Chirkov, A. K. - 1086, 1306
Chistokletov, V. N. - 189, 412, 616, 1736
Chlenov, I. E. - 1573
Chmutova, G. A. - 2200
Chukovskaya, E. Ts. - 370
Churkina, L. A. - 813
Chzhu, V. P. - 465

D

Dadali, V. A. - 365
Dangyan, M. T. - 1759, 1762
Danilenko, G. I. - 640, 1607
Danilkina, L. P. - 1, 2038
Danilova, A. S. -
Darda, L. V. - 930
Dashevskii, M. M. - 268, 1052
Dashunin, V. M. - 1597, 1604
Daukshas, V. K. - 291, 297
Davydov, A. A. - 139
Demidova, V. M. - 1699, 1704
Demyanok, I. E. - 115
Dem'yanovich, V. M. - 1676
Denisova, L. I. - 24, 27
Dergunov, Yu. I. - 1249, 1797
Didenko, L. A. - 1055
Dikolenko, E. I. - 640
Dmitrieva, L. P. - 197
Dmitrieva, N. D. - 1113
Dmitrieva, T. F. - 2219
Dneprovskii, A. S. - 1315
Dodonov, V. A. - 857
Dokunikhin, N. S. - 142, 516, 716, 720, 1289, 2176
Dokunikhina, E. N. - 1696
Dol'berg, E. B. - 224, 2060
Dolgalev, A. A. - 1323
Domareva-Mandel'shtam, T. V. - 2223
Dombrovskii, A. V. - 886, 1058, 1661
Domnin, N. A. - 8
Donakaya, N. A. - 1768
Dormidontova, N. P. - 1563

Dorofeenko, G. N. - 1474, 1480, 1830
Dovgosheya, M. I. - 1285
Drabkina, A. A. - 628
Druzhinina, A. A. - 284
Druzhinina, N. K. - 588
Dryuk, V. G. - 2086
Dubenko, R. G. - 258, 486, 504, 710, 866, 920
Dubina, V. L. - 1809, 1813
Dudykina, N. V. - 2179
Dulenko, V. I. - 1474
Dumitresku, Z. - 900
D'yakonov, I. A. - 1, 362, 599, 825, 1314, 1516, 1863, 2038, 2212, 2223
Dychenko, A. I. - 1578
Dyuzheva, I. I. - 536
Dzhalilov, R. A. - 1197

E

Efimova, G. A. - 1867
Efremov, E. S. - 2111
Efros, A. M. - 172
Éfros, L. S. - 1089, 1096, 1302, 1867
Éidus, Ya. T. - 254, 749
Éiler, K. I. - 2141
Éitingon, I. I. - 33
Elagina, N. V. - 745
El'chinov, D. P. - 1086, 1306, 1623
El'tsov, A. V. - 183, 621, 1465
El'nitskii, A. P. - 1251
Engibaryan, R. N. - 1356
Englin, B. A. - 370
Eremina, T. N. - 1800
Ermakov, O. A. - 929, 2215
Erokhina, L. L. - 757, 762
Ershov, B. A. - 929, 2214, 2215
Ershov, V. V. - 288
Etlis, V. S. - 244, 967, 1659, 2003
Evitko, I. Ya. - 168

F

Faershtein, Yu. M. - 1317
Fainzil'berg, A. A. - 766, 932, 1430
Faizullin, B. M. - 801
Farberov, M. I. - 1615
Fedin, É. I. - 1026
Fedorova, T. D. - 1639
Fedorova, V. A. - 425
Fedotova, O. Ya. - 1050
Filippova, A. Kh. - 557

Fokin, E. P. - 905, 910
Forost, M. P. - 1168, 1352
Freimanis, Ya. F. - 875, 1243
Friedlina, R. Kh. - 370
Furin, G. G. - 703
Furman, D. B. - 56

G

Gadzhiev, F. R. - 653
Galitsyna, L. V. - 2176
Galkina, T. M. - 168
Gal'pern, G. D. - 1035
Gal'perin, V. A. - 1797
Galyaminskikh, V. D. - 273, 501, 1308
Gamburyan, L. Kh. - 2079
Gankin, V. Yu. - 42
Ganushchak, N. I. - 1023, 1058
Garasimenko, Yu. E. - 31
Garkovik, N. L. - 1332
Gatala, E. E. - 91
Gavrilenko, V. V. - 2153
Gavryuchenkova, L. P. - 393
Gegelyan, Zh. G. - 2075
Genokhova, N. S. - 1990
Gerasimenko, A. V. - 1416
Gerasimenko, Yu. E. - 1291
Gerasimova, T. N. - 1670
Gerasimovich, T. B. - 671
Germane, S. K. - 1667
Gershenovich, A. I. - 941
Gershtein, R. A. - 542
Gil'chenok, N. D. - 1910
Gindorf, T. Yu. - 1341
Ginzburg, O. F. - 1281
Gitel', P. O. - 609
Gitis, S. S. - 107, 667, 1260, 1780, 1784
Gladkova, G. A. - 197
Gladkovskii, G. A. - 16
Gladysheva, T. Kh. - 1771, 1774
Glaz, A. I. - 1784
Glaz, A. Sh. - 1784
Glazunova, E. M. - 179, 1935
Glebova, N. V. - 179
Glonti, G. Sh. - 318
Gmyzina, R. N. - 2038
Gol'mov, V. P. - 2116
Golodnikov, G. V. - 2212
Gololobov, Yu. G. - 2219
Golovanova, N. I. - 951
Golovina, Z. P. - 660
Golovleva, L. A. - 1676
Golubev, V. A. - 1069, 1886, 2192
Golubkova, N. K. - 2090
Gorbunova, L. V. - 1226, 1229

Gorin, Yu. A. - 591
 Gorn, I. K. - 591
 Gornostaeva, A. A. - 660
 Gorshkova, G. N. - 1440
 Goryaev, M. I. - 1694
 Gracheva, G. D. - 959
 Grebenyuk, A. D. - 1794
 Gren, E. Ya. - 1875, 1881
 Grenovskii, P. I. - 951
 Grigina, I. N. - 1935
 Grigor'eva, N. E. - 115
 Grigoryan, A. A. - 1954, 2079
 Grigoryan, D. V. - 1939
 Grigoryan, É. A. - 402
 Grinev, A. N. - 385, 1586
 Grinev, G. V. - 1237
 Grineva, V. S. - 1508
 Grishko, N. I. - 493
 Grum-Grzhimailo, M. A. - 791, 1177
 Gudrinietse, E. - 676
 Gur'yanova, E. N. - 493
 Guseinzade, B. M. - 558, 2105
 Gusev, V. D. - 1748
 Guseva, I. K. - 733

H

Hsichying, Wu Ii - 1862

I

Idlis, G. S. - 1281
 Ignatov, V. A. - 706, 1062
 Ikonopistseva, O. A. - 2216
 Il'inskaya, V. S. - 536
 Imyanitov, N. S. - 220
 Indenbom, M. L. - 121
 Indzhikyan, M. G. - 1949, 1954, 2073, 2075, 2079
 Ioffe, D. V. - 1321
 Ioffe, I. S. - 923, 1697
 Ioffe, S. L. - 1573
 Ioffe, S. T. - 375
 Ioramashvili, D. Sh. - 59
 Isaev, É. M. - 558, 2108
 Isaeva, Z. G. - 1391
 Ishchenko, I. K. - 429
 Ismailov, A. G. - 1501
 Ivakhnenko, E. A. - 660
 Ivanov, A. I. - 766, 932, 1430
 Ivanov, A. V. - 107
 Ivanova, T. A. - 832
 Ivanova, V. I. - 2214, 2215
 Ivanova, V. M. - 1260
 Ivanovna, L. P. - 8
 Ivanushkina, T. A. - 201
 Ivashchenko, S. P. - 2139
 Izmail'skii, V. A. - 1320

K

Kabchnik, M. I. - 375
 Kadyrov, Ch. Sh. - 1268
 Kakhniashvili, A. I. - 59, 318
 Kalabina, A. V. - 449, 691, 1713, 2010
 Kalashnikova, L. A. - 1513
 Kalibabchuk, N. N. - 1387
 Kalinina, G. R. - 1147
 Kalnin'sh, K. K. - 16
 Kamai, G. Kh. - 1362
 Kamennov, N. A. - 1218
 Kamenskaya, S. A. - 83
 Kaminskii, A. Ya. - 1780, 1784
 Kamenskii, I. V. - 205
 Kanevskaya, M. A. - 254
 Kaplan, E. P. - 125
 Kaplan, S. Z. - 422
 Karavan, V. S. - 1399, 1405
 Karavanov, N. A. - 14
 Karchmarchik, O. S. - 1511
 Karele, B. - 489
 Karele, B. Ya. - 1656
 Karpova, N. B. - 791, 1177
 Kartashov, V. R. - 1112
 Kartashova, N. A. - 1365
 Kataev, E. G. - 1119, 2200
 Kataeva, L. M. - 2200
 Katsobashvili, V. Ya. - 419
 Kazakova, Z. I. - 125
 Kazanskii, B. A. - 745
 Kazantseva, V. M. - 1997
 Kazaryan, S. A. - 2025
 Kazitsyna, L. A. - 567, 570, 733, 1790
 Kereselidze, R. V. - 1888
 Ketslakh, M. M. - 422
 Khachatryan, L. A. - 402
 Khaetskaya, Ya. V. - 1147
 Khandkarova, V. S. -
 Kharchenko, V. G. - 1116, 1866
 Kharicheva, É. M. - 362
 Kheifets, G. M. - 1492, 1497
 Kheifits, L. A. - 663, 2007, 2015, 2019
 Kheifets, L. Ya. - 1096
 Khidekel', M. L. - 1226, 1229
 Khilya, V. P. - 1457, 1461
 Khmel, M. P. - 1536
 Khofbauér, É. I. - 1050
 Khomenkova, K. K. - 1409
 Khromov-Borisov, N. V. - 121, 577, 1492, 1497, 1639
 Khrushch, N. E. - 1229
 Khukhryanskii, V. G. - 1664

Khutorskoi, E. I. - 1153
 Khvorova, N. M. - 1765
 Khydyrov, D. N. - 653, 1373
 Kibkalo, A. A. - 1790
 Kipinya, A. E. - 2129
 Kiprianov, A. I. - 551, 1461, 1816, 1820
 Kiprinov, A. I. - 1457
 Kirillov, A. I. - 210, 1040
 Kiro, Z. B. - 360
 Kirsanova, Z. D. - 883, 2189
 Kiselev, L. A. - 2144
 Kiselev, V. D. - 136
 Kislyak, G. S. - 2133
 Kitaev, Yu. P. - 331
 Klimenko, S. K. - 1116, 1866
 Klimov, G. A. - 1488, 1507
 Klykov, V. N. - 1751
 Knunyants, I. L. - 927
 Kobrina, L. S. - 496
 Kogan, I. M. - 1324
 Kolesnikov, G. S. - 872, 1050
 Kolmakova, E. F. - 2010
 Kolodkina, I. I. - 63
 Kolodnitskaya, L. N. - 56
 Kologrivova, N. E. - 671
 Koloskova, N. M. - 1768
 Kol'tov, A. I. - 1497
 Kol'tsov, A. I. - 16, 929, 1201
 Kolyaskina, Z. N. - 1732
 Komagarov, A. M. - 465
 Komendantov, M. I. - 559
 Konevskaya, N. D. - 1005
 Konstantinova, L. A. - 36, 39
 Konvalov, A. I. - 136
 Koptug, V. A. - 110, 465, 1672, 1835
 Korchagin, V. B. - 1177
 Kormer, V. A. - 1553, 1719, 1902, 1906
 Kornev, K. A. - 1409
 Korneva, V. V. - 740
 Kornilov, M. Yu. - 551
 Kornilova, T. A. - 1314
 Korolev, A. I. - 927
 Korolev, B. A. - 2165
 Korolev, R. A. - 2168
 Korshak, V. V. - 205, 1427
 Korshunov, S. P. - 522
 Kosheleva, T. A. - 1704
 Kositsyna, E. I. - 2095
 Kost, A. N. - 1676
 Kostareva, N. A. - 309, 1382
 Kostikov, R. R. - 825, 1863
 Kostsova, A. G. - 452
 Kostyuchenko, V. M. - 941
 Kotlyarevskii, I. L. - 1294

Kovalenko, G. I. - 2060
 Kovalenko, N. P. - 286
 Kovalev, B. G. - 1563
 Kozlov, N. S. - 460, 1263
 Kozlov, V. M. - 250
 Kozlov, V. V. - 139, 1790
 Kozorez, L. A. - 1066
 Kraevskii, A. A. - 628, 2136
 Kraft, M. Ya. - 284
 Krasil'nikova, G. K. - 185
 Krasotkina, B. E. - 1522
 Krasovitskii, B. M. - 128, 893, 1052, 1285
 Kravchenko, A. I. - 63
 Kravets, V. P. - 1237
 Kretov, A. E. - 354
 Krinitskaya, L. A. - 1298
 Krinkin, D. P. - 42
 Kristol, L. D. - 2223
 Krivozheiko, K. M. - 183
 Krivun, S. V. - 1474, 1480
 Kropachev, V. A. - 1511
 Kruglikova, R. I. - 1147, 1218
 Kruglov, B. G. - 1294
 Krupina, T. I. - 1866
 Kucherova, N. F. - 159
 Kudryashova, N. I. - 579, 1639
 Kugatova-Shemyakina, G. P. - 185, 434, 439, 444, 684, 687, 832, 844, 851, 2025
 Kugucheva, E. E. - 375
 Kul'bitskii, G. N. - 1302
 Kulikov, V. I. - 1031
 Kunin, B. S. - 1000
 Kupin, B. S. - 1873, 1893
 Kuplet-skaya, N. B. - 567, 570
 Kurganova, S. Ya. - 807
 Kurov, G. N. - 1046
 Kuroyan, R. A. - 612
 Kursanov, D. N. - 2220
 Kutepova, A. I. - 493
 Kutepova, N. I. - 493
 Kutnevich, A. M. - 408
 Kuznetsov, E. V. - 1480
 Kuznetsov, S. G. - 1321
 Kuznetsov, V. S. - 1465
 Kuznetsova, T. S. - 805, 847, 1318
 Kuznetsova, V. K. - 452
 Kvitko, I. Ya. - 164
 Kvitko, S. M. - 2209

L

Lagodzinskaya, G. V. - 1573
 Lainapov, D. Z. - 1268
 Lakizo, V. I. - 397
 Langvagen, G. R. - 951

Lapkin, I. I. - 14, 150, 379, 382, 388, 1107, 2034, 2204
 Larionova, V. G. - 2100
 Lastauskas, A. P. - 297
 Lavrishcheva, L. N. - 2124
 Lavrov, V. I. - 11, 599
 Lazaris, A. Ya. - 1322, 1595
 Lebedev, N. N. - 215, 250, 261, 2067
 Lein, B. I. - 955
 Leonova, G. S. - 1147
 Leus, Z. G. - 2214
 Levchenko, E. S. - 87, 889, 1378, 1504
 Levina, R. Ya. - 1113, 1193, 1319, 1768, 1771, 1774, 1778, 1862, 2040, 2111
 Levshina, K. V. - 63, 201
 Liberman, G. I. - 1186
 Lifshits, É. B. - 542
 Likhomanova, T. I. - 1774
 Likhosherstov, V. M. - 1344
 Lineva, V. S. - 1103
 Lipatova, L. F. - 281
 Lipovich, T. V. - 522
 Lipovich, V. G. - 1997
 Litvinenko, L. M. - 1824
 Lisitsyn, V. N. - 1055
 Litvinenko, L. M. - 365, 1647
 Lobkina, V. V. - 1010
 Loim, N. M. - 1768
 Lokshin, B. V. - 1427
 Lopatina, K. I. - 1026
 Loshina, M. M. - 805
 Lozinskii, M. O. - 694, 1691
 Lukashevich, V. O. - 1696
 Luknitskii, F. I. - 1973, 1858
 Luk'yanets, E. A. - 1193
 Lysak, A. N. - 110

M

Machinskaya, I. V. - 1077
 Maeva, R. V. - 1597
 Makarova, A. N. - 1111
 Makin, S. M. - 1344, 1349, 1566
 Makovetskii, K. I. - 762
 Makovetskii, K. L. - 757, 955
 Maksimenko, N. N. - 2086
 Maksimenko, O. A. - 1124, 1127, 1131
 Maksimov, A. A. - 1620
 Maksyutin, Yu. K. - 2010
 Malevannaya, Z. P. - 2116
 Malina, Yu. F. - 1135, 1141, 1483

Malinovskii, M. S. - 85, 519, 1536, 2086, 2100
 Malkes, L. Ya. - 286
 Mal'tsev, V. I. - 1115, 1172
 Mal'tseva, N. I. - 893
 Malygina, A. V. - 454
 Malysheva, N. N. - 1113
 Mamedov, Shamkhal - 653, 656, 1369, 1373
 Mamaev, V. P. - 584
 Maretina, I. A. - 1728, 1957
 Markova, Yu. V. - 228
 Markovskii, L. N. - 1504
 Martirosyan, G. T. - 402, 1939
 Martynov, V. F. - 1316
 Martynov, V. S. - 1111
 Mashlyakovskii, L. N. - 604
 Maslii, L. K. - 1976
 Maslin, D. N. - 2153
 Maslyuk, A. F. - 1536
 Matevosyan, R. O. - 278, 501, 1086, 1306, 1308, 1620, 1623, 2173
 Matsoyan, S. G. - 2221
 Mayatnikova, V. A. - 516, 1289
 Mazhuolite, L. É. - 291
 Medyantseva, E. A. - 366
 Medzhidov, A. A. - 1838
 Mekhmandarova, N. T. - 558
 Mel'kanovitskaya, S. G. - 507, 1233, 1443
 Mel'nikov, N. N. - 1186, 2144
 Mel'nikova, A. A. - 1135, 1483
 Menketti, E. - 713
 Mikhailik, S. K. - 551
 Mikhailov, B. M. - 1214
 Mikhailov, G. I. - 897
 Mikhailova, V. - 1423
 Mikhлина, E. E. - 174, 1682
 Mil'ko, V. S. - 794
 Mil'vitskaya, E. M. - 1017
 Minkin, V. I. - 366, 621
 Mironov, G. S. - 1615
 Mirzaeva, A. K. - 745
 Mitrofanova, T. K. - 1748
 Mitsner, V. I. - 2141
 Mnatsakanova, T. R. - 429
 Moiseev, V. V. - 270
 Moiseeva, Z. Z. - 516, 1289
 Morozova, E. P. - 244
 Morozova, N. A. - 24
 Moshchitskii, S. D. - 2121
 Mostoslavskaya, E. I. - 716
 Mukhina, R. G. - 379

Myagkova, G. I. - 1558, 1960,
1961
Myrsina, R. A. - 644
Myshkin, A. E. - 2046

N

Naddaka, V. I. - 366
Nadir, R. - 872
Naidan, V. M. - 886
Naidenova, N. M. - 1117
Nakeie, V. A. - 875
Narfenov, E. A. - 1560
Nasirova, M. - 558
Nazarova, D. V. - 1566
Nazarova, Z. F. - 247, 1044
Nazarova, Z. N. - 156, 1869,
1872
Neiland, O. - 489
Neiland, O. Ya. - 1656
Neiman, M. V. - 1069, 1513,
1886, 2192
Nemirovskii, V. D. - 16
Nemleva, S. A. - 1260
Nepluyev, V. M. - 504
Nesmeyanov, A. N. - 972,
978, 983, 2041
Nesmeyanov, Nik. A. - 937,
1690
Nesynov, E. P. - 21, 304, 458,
484, 1205, 1854
Nikiforova, I. S. - 1233, 1443
Nikishin, G. I. - 1546, 1886,
1888
Nikitin, V. I. - 179, 1532,
1707, 1935
Nikolaev, E. V. - 463
Nikolaeva, A. D. - 1362
Nikulina, L. S. - 481
Novikov, S. S. - 766, 932,
1430, 1573, 2183
Novikov, V. N. - 156, 937,
1869
Novozhilov, A. V. - 1960
Novruzova, S. - 1373

O

Ogibin, Yu. N. - 1546
Ogloblin, K. A. - 1861
Ogoleva, L. N. - 103
Ol'dekop, Yu. A. - 813, 1251,
2133
Oleinik, N. M. - 1647
Olekhovich, E. P. - 1830
Onishchenko, A. A. - 2183
Oranskaya, O. M. - 1910
Ordyan, M. B. - 254, 749
Orlova, A. N. - 1103

Orlova, S. E. - 11, 194
Osanova, L. K. - 817
Oshueva, N. A. - 1636
Osipova, N. M. - 2144
Ostroumova, N. G. - 228
Ovakimyan, M. Zh. - 1954
Ovayannikova, L. A. - 821
Ozol, Ya. Ya. - 1667

P

Padeiskaya, E. N. - 729
Padva, G. D. - 1080
Palchikov, V. A. - 1830
Panaitescu, T. - 900
Panchenko, V. D. - 710
Paperno, T. Ya. - 2090
Parfenov, É. A. - 630, 633
Pasternak, V. Sh. - 460
Pavel', G. V. - 2222
Pavlenko, A. F. - 2121
Pavlova, L. A. - 356, 1686,
1754
Pel'kis, P. S. - 21, 258, 304,
458, 484, 504, 694, 866,
920, 1205, 1578, 1691, 1854
Pentin, Yu. A. - 1327
Perekalin, V. V. - 1118,
1508, 1870, 2090, 2209
Perel'shtein, E. I. - 914
Perepelkin, O. V. - 1719, 1897
Perevozchikova, A. F. - 309
Pereyaslova, D. G. - 129,
1052
Perlova, N. A. - 1560
Pershin, G. N. - 729
Perveev, F. Ya. - 393, 963,
1150, 1699, 1704
Perzashkevich, V. S. - 1999
Petrenko, G. P. - 724, 2162
Petrov, A. A. - 412, 562,
616, 770, 775, 780, 785,
994, 997, 1000, 1168, 1172,
1352, 1356, 1549, 1553,
1728, 1732, 1873, 1893, 1957
Petrov, A. D. - 125
Petrov, K. D. - 1239
Petrov, L. A. - 278, 501,
1306, 1308, 2173
Petrov, V. P. - 465, 1672
Petukhova, N. P. - 1914, 1921
Petyunin, P. A. - 272, 1202
Piskov, V. B. - 817
Plakhov, V. A. - 27
Plaksina, A. M. - 1116
Plaksunova, S. L. - 1010
Plate, A. F. - 44, 50, 73,
1017, 1993, 2119

Plemenkov, V. V. - 1119
Plisov, A. K. - 397
Plyuchinskii, Ya. K. - 2067
Pochernikova, O. A. - 637
Podberezina, A. S. - 663, 2007
Pokhodenko, V. D. - 1387
Pogorzhel'skaya, N. A. - 1728
Pogosyan, G. M. - 2221
Polyakov, A. I. - 1865
Polyakova, L. A. - 1865
Polyanskaya, A. S. - 2090
Ponomarenko, A. A. - 1435
Ponomarev, F. G. - 798
Popov, L. K. - 1362
Popova, R. Ya. - 1416
Porai-Koshits, B. A. - 164,
168, 364, 510, 1120, 1643,
2195
Porfir'eva, Yu. I. - 775, 780
Portnyagin, Yu. M. - 1860
Portnyanskii, A. E. - 1010
Poshkene, R. A. - 434, 439,
444
Poshkens, R. A. - 844
Postovskii, I. Ya. - 281, 340,
349, 1100
Potapov, V. K. - 2111
Povarov, L. S. - 1214
Pozharskii, A. F. - 1868
Preobrazhenskii, N. A. - 628,
630, 633, 791, 794, 1177,
1183, 1558, 1560, 1745,
1748, 1751, 1960, 1961,
1966, 1982, 1987, 1990,
2136, 2139, 2141
Prib, O. A. - 85
Prilezhaeva, E. N. - 1847,
1914, 1921
Prokhorov, A. B. - 628
Promonenko, V. K. - 637
Protoparpova, T. V. - 1416
Przhiyalgovskaya, N. M. - 313
Ptitsyna, V. A. - 567, 570
Puchnova, V. A. - 1778, 2040
Pudovik, A. N. - 801
Puodzhyunaite, B. A. - 291
Pupko, L. S. - 1578
Pusherina, N. P. - 1113
Pushkareva, Z. V. - 1765
Pustoshkin, G. I. - 1253
Pustovarov, V. S. - 156
Pyatnova, Yu. B. - 1961

R

Rabia, A. M. - 70
Rachinskii, F. Yu. - 315, 1253
Ragimova, L. G. - 153

Raguotene, N. V. - 1503
 Rall', K. B. - 562
 Ratner, V. V. - 1391
 Razbegaeva, T. P. - 1976
 Razumovskii, S. D. - 1910
 Razuvaev, G. A. - 244, 857,
 967, 1226, 1229, 1365,
 1969, 2003
 Reikhsfel'd, V. O. - 757, 762,
 955, 1341
 Renard, T. L. - 205
 Repinskaya, I. V. - 2212
 Reutov, O. A. - 567, 570,
 937, 1124, 1127, 1131,
 1323, 1690, 2046, 2053
 Rogozhnikova, I. S. - 2204
 Romanchevich, M. K. - 247
 Romantsevich, M. K. - 1044
 Rotshtein, Ya. I. - 1522
 Rozantsev, E. G. - 1069,
 1298, 1513, 1886, 1838,
 2192
 Rozhkva, N. G. - 1411
 Rubtsov, I. A. - 1569
 Rubtsov, M. V. - 174, 1682
 Ruchkin, V. E. - 2144
 Rudenko, A. P. - 807
 Rudkovskaya, G. D. - 1211
 Rudkovskii, D. M. - 42, 220,
 422,
 Rupshite, G. I. - 297
 Russkikh, V. V. - 905, 910
 Rustamov, V. R. - 1373
 Rybachenko, V. I. - 1824
 Rybakova, M. N. - 470
 Rybin, L. V. - 978, 983
 Rybinskaya, M. I. - 972,
 978, 983, 2041
 Rzaev, A. S. - 1373
 Rzaeva, A. S. - 1396
 Rzaeva, S. - 558
 Rzaeva, S. A. - 2105

S

Saakyan, L. A. - 1759, 1762
 Sabirov, S. S. - 1935
 Sadykh-zade, S. I. - 153, 754,
 1157, 1197, 1396
 Saevich, R. E. - 422
 Safarov, G. I. - 1601
 Safronenko, E. D. - 419
 Safronova, L. P. - 947
 Saitkulova, F. G. - 150
 Sakhar, L. - 676
 Samartsev, M. - 1861
 Samartseva, I. V. - 1686,
 1754

Samitov, Yu. Yu. - 1332
 Samodumov, S. A. - 1323
 Samoilova, M. Ya. - 1046
 Samoilova, N. P. - 1862
 Samoilovskikh, N. A. - 1107
 Samokhvalov, G. I. - 327
 Sanova, S. N. - 1691
 Sapunov, V. N. - 215, 261
 Saralidze, O. D. - 794
 Sarycheva, I. K. - 794, 1745,
 1961, 1982, 1987, 1990,
 2139
 Saikov, P. I. - 493, 667
 Seina, Z. N. - 1260
 Seleznenko, L. V. - 87, 889
 Semenov, A. D. - 1474, 1830
 Semenova, E. F. - 597
 Semenova, S. N. - 391, 1162
 Semin, G. K. - 496
 Semotyuk, O. M. - 274
 Serebrennikova, G. A. - 630,
 633, 1183, 1560, 1751, 1966
 Serebryakova, T. V. - 1183,
 1966
 Sergeeva, M. E. - 1659
 Sergievskaya, S. I. - 63, 201
 Setkina, V. N. - 2220
 Sevast'yanova, I. G. - 1693
 Shabarov, Yu. S. - 1768, 2111
 Shaburov, V. V. - 364, 510,
 1643
 Shakhnazaryan, G. M. - 1759,
 1762
 Shamilov, Kh. Kh. - 1369
 Shamis, E. M. - 268
 Shamshurin, A. A. - 855,
 1563
 Shapiro, A. B. - 1838
 Shapiro, A. L. - 923, 1697
 Sharanin, Yu. A. - 1979
 Sharkova, N. M. - 159
 Shashkina, M. Ya. - 1031
 Shavrygina, O. A. - 1344,
 1349, 1566
 Shchavinskaya, M. V. - 1824
 Shchegoleva, G. M. - 2019
 Shcherbak, S. P. - 2148
 Shcherbakova, L. I. - 115
 Shchipanov, V. P. - 340, 345,
 349, 367, 1100, 1471
 Shchukina, M. N. - 228
 Shedchenko, V. I. - 174
 Sheikman, I. E. - 1378
 Shein, S. I. - 720
 Shein, S. M. - 706, 1062,
 1066
 Shein, V. D. - 1615

Sheinker, V. N. - 914
 Sheinker, Yu. N. - 174, 340,
 914
 Shestaeva, M. M. - 1740
 Shevchuk, L. G. - 1221
 Shevelev, S. A. - 766, 932,
 1430
 Shigalevskii, V. A. - 31, 1291
 Shigorin, D. N. - 1696
 Shikhiev, I. A. - 558, 2105,
 2108
 Shikhieva, M. I. - 558
 Shil'nikova, A. G. - 1319
 Shil'nikova, L. N. - 1150
 Shilov, G. I. - 236
 Shindel', R. E. - 1435
 Shishkin, G. V. - 584
 Shkol'nik, S. A. - 1835
 Shode, L. G. - 1447, 1452
 Shokina, L. I. - 254
 Shokova, E. A. - 713
 Shostakovskii, M. F. - 197,
 557, 599, 691, 947, 951,
 1865, 2213
 Shramova, Z. I. - 336, 1005
 Shreibert, A. I. - 208
 Shteingarts, V. D. - 703
 Shulezhko, A. A. - 1820
 Shul'man, M. L. - 561
 Shumonina, L. I. - 1847
 Shur, A. M. - 1787
 Shurygin, V. E. - 1969
 Shusherina, N. P. - 1193,
 1771, 1774
 Shutkova, E. A. - 168
 Shvaika, O. P. - 429
 Shvartsberg, I. S. - 1294
 Shvedov, V. I. - 385, 1586
 Shvekhgeimer, G. A. - 561
 Shvetsova-Shilovskaya, K. D. -
 2144
 Sidorenko, V. K. - 1707
 Siling, S. A. - 1427
 Simonov, A. M. - 914, 1868
 Sineokov, A. P. - 1659
 Sinyavskaya, L. P. - 855
 Sklyar, Yu. E. - 897
 Skoldinov, A. P. - 336, 1005,
 1256, 1265, 1416
 Skorokhodov, S. S. - 16
 Skripko, L. A. - 1513
 Skrodskaya, T. S. - 2100
 Skvarchenko, V. R. - 1319,
 1778, 2040
 Skvortsova, G. G. - 1046,
 1633
 Sladkov, A. M. - 1440

Slesarchuk, L. P. - 91
 Slovetskii, V. I. - 766, 932, 1430
 Smirnov, E. A. - 454
 Smirnova, M. M. - 2067
 Smirnova, N. V. - 1256, 1265
 Smirnova, O. V. - 872
 Smirnova, T. S. - 559
 Smirnyadin, V. A. - 2183
 Soboleva, R. A. - 493
 Sokolov, L. B. - 616, 994
 Sokolov, S. D. - 733, 1117
 Sokolov, S. V. - 1082
 Sokolova, E. M. - 1186
 Sokolova, T. A. - 821, 1211
 Sokolovskaya, N. G. - 1522
 Sokol'skii, G. A. - 945
 Sologub, L. S. - 2121
 Solomko, Z. F. - 519
 Sopova, A. A. - 1118
 Sorokin, M. F. - 1447, 1452
 Soshin, V. A. - 1263
 Sosnina, I. S. - 2119
 Spiridonova, L. N. - 2010
 Spiridonova, T. G. - 609
 Srebrodol'skii, Yu. I. - 1590, 1609
 Stankevich, D. - 1423
 Starostina, L. N. - 862
 Starostina, T. I. - 857
 Statsevich, V. Ya. - 393
 Stepanov, B. I. - 103, 360, 930, 2165, 2168, 2171
 Stepanov, D. E. - 1713
 Stepanov, F. N. - 145, 640, 644, 1590, 1607, 1609, 1611
 Stepanov, I. P. - 1506, 2216
 Stepanov, Z. V. - 1633
 Sterin, Kh. E. - 50, 745
 Stolyarova, T. Yu. - 869
 Strepetov, N. P. - 1510
 Strukov, O. G. - 1693
 Strygin, E. I. - 1316
 Sudorenko, V. K. - 1532
 Sulimov, I. G. - 770
 Sulmanov, R. A. - 1157
 Suskina, V. I. - 1069, 1886, 2192
 Sytnik, Z. P. - 542, 1311

T

Tagmazyan, K. Ts. - 1946
 Takhistov, V. V. - 1159
 Tanaseichuk, B. S. - 281
 Tanchuk, Yu. V. - 258, 920

Tartakovskii, V. A. - 1573, 2183
 Tarutina, N. D. - 1558
 Tashchuk, K. G. - 1023, 1661
 Tel'nyuk, E. N. - 724
 Temnikova, T. I. - 391, 648, 929, 1159, 1162, 1315, 1399, 1405, 1506, 1636, 1979, 2214, 2215, 2216
 Terent'ev, A. P. - 1676
 Terent'ev, P. B. - 1676
 Terent'ev, V. A. - 473
 Tikhomirova, R. G. - 1239
 Tilichenko, M. N. - 1488, 1507, 1593, 2222
 Tishchenko, D. V. - 408
 Tishchenko, I. G. - 1806
 Tochilkin, A. I. - 24, 27
 Tolstikov, G. A. - 1694
 Tomchin, A. B. - 2195
 Tomilov, A. P. - 1693
 Torf, S. F. - 869
 Tosunyan, A. O. - 612
 Traven', V. F. - 360, 930
 Treboganov, A. D. - 1990, 2136
 Treshchova, E. G. - 1774
 Troepol'skaya, T. V. - 331
 Trofimov, B. A. - 11, 194, 599, 1110
 Trofimov, N. N. - 967
 Trofimova, T. A. - 91, 98
 Tseitlin, G. M. - 205
 Tsetlin, V. I. - 2141
 Tsereteli, I. Yu. - 621
 Tsilevich, T. L. - 1193
 Tsukervanik, I. P. - 699, 1271, 1276, 1626
 Tsykovskii, V. K. - 1910
 Turbanova, B. S. - 780
 Turbanova, E. S. - 775
 Turitsyna, N. F. - 536
 Turova-Polyak, M. B. - 2119
 Tutov, E. V. - 1824
 Tyrina, S. M. - 1633

U

Ugarov, B. N. - 1378
 Ukhin, L. Yu. - 1440
 Unkovskii, B. V. - 1135, 1141, 1483
 Uretskaya, G. Ya. - 284
 Urin, A. B. - 1035
 Urinovich, E. M. - 1141
 Usachenko, V. G. - 2162
 Usenko, Yu. N. - 866

Usov, V. A. - 1243
 Ustynyuk, L. A. - 766

V

Vagina, L. K. - 412, 616, 1736
 Vakulova, L. A. - 327
 Valter, R. E. - 2129, 2157
 Vanag, G. Ya. - 79, 875, 1074, 1243, 1667, 1875, 1881, 2129
 Vartanyan, S. A. - 612
 Vasenko, E. N. - 91
 Vasileiskaya, N. S. - 1226, 1229
 Vasil'ev, N. P. - 197
 Vasil'ev, S. V. - 1526, 1927, 1931
 Vasil'eva, A. A. - 597
 Vasil'eva, L. V. - 1414, 1865
 Vatsuro, K. V. - 375
 Vdovtsova, E. A. - 1271, 1276, 1626
 Veinberg, A. Ya. - 327
 Velezheva, V. S. - 1077
 Velichko, Ya. T. - 85
 Verbovskaya, T. M. - 1816
 Verdieva, S. Sh. - 2108
 Vereshchagin, L. I. - 522, 1859
 Vemikova, L. M. - 791
 Vidugirene, V. I. - 684, 687, 851
 Vil'davskaya, A. I. - 562
 Vilenskaya, M. R. - 1153
 Vinograd, L. Kh. - 1320
 Vinogradov, M. G. - 1888
 Vinogradova, S. V. - 1427
 Vinokurov, V. G. - 336, 1005
 Vlasov, V. M. - 597, 805, 947, 951, 1317, 1318, 2095, 2213
 Vlasova, M. A. - 872
 Vnenkovskaya, D. G. - 674
 Vofsi, D. - 368
 Voitsekhovskaya, A. L. - 1604
 Vol'eva, V. B. - 1127
 Volkov, A. N. - 832
 Volkova, L. V. - 791, 1177
 Volkova, Z. P. - 1969
 Volodarskii, L. B. - 110
 Volodina, T. A. - 2124
 Volodkovich, S. D. - 1186
 Volovel'skii, L. N. - 1664
 Volynskii, N. P. - 588, 1035
 Vorob'ev, L. N. - 1549
 Voronin, V. G. - 660
 Vorozhtsov, G. N. - 142

Vorozhtsov, Jr., N. N. - 703, 1871
Vovsi, B. A. - 1858, 1973
Voznyak, V. M. - 1696
Vysotskaya, N. A. - 1221

W

Witenberg, A. G. - 1516

Y

Yagudaev, M. R. - 1794
Yagupol'skii, L. M. - 1716
Yakobson, G. G. - 496, 703
Yakoreva, A. R. - 1116
Yakovlev, S. V. - 356
Yakubovich, A. Ya. - 609
Yanichkin, L. P. - 1271, 1276, 1626
Yanina, A. D. - 174, 1682
Yares'ko, N. S. - 313
Yashina, O. G. - 1859
Yashunskii, V. G. - 729, 1842
Yasnitskii, B. G. - 224, 1013, 2060
Yudasina, A. G. - 2086, 2100

Yul'chevskaya, S. D. - 754
Yumilov, Yu. M. - 914
Yur'ev, Yu. N. - 1910
Yurchenko, A. G. - 145, 1582
Yurzhenko, T. I. - 425, 1153
Yushko, É. G. - 129
Yusufov, B. G. - 558

Z

Zadorozhnyi, B. A. - 429
Zagorevskii, V. A. - 159, 883, 1026, 1740, 2179, 2189
Zaitsev, A. P. - 1013
Zaitsev, I. A. - 1740
Zaitseva, M. G. - 1135, 1483
Zakalyuzhnyi, M. V. - 1202
Zakharkin, L. I. - 740, 990, 1539, 2153
Zakharova, A. I. - 959
Zakhs, E. R. - 1089
Zakhs, É. R. - 1096
Zalukaev, L. P. - 132, 270, 674, 1071
Zalukaeva, E. A. - 132, 1071
Zapevalova, N. P. - 821

Zarva, T. V. - 1859
Zavadskaya, M. I. - 813
Zavforodnii, S. V. - 1629
Zelenin, K. N. - 923, 1505
Zemzina, I. N. - 699
Zenkova, L. N. - 228
Zhagat, R. A. - 79, 1074
Zhdanov, Yu. A. - 366, 1830
Zhuravlev, S. V. - 463
Zikherman, K. Kh. - 691
Zil'berman, E. N. - 236
Zindel', A. - 1516
Zinkevich, É. P. - 1982, 1987, 1990
Zlobina, G. A. - 288
Zobacheva, M. M. - 1508
Zolotukhina, K. G. - 1023, 1058
Zoroastrova, V. M. - 2148
Zotchik, N. V. - 1569
Zotova, G. M. - 1558
Zotova, S. A. - 729, 1842
Zubkova, T. P. - 1745, 2215
Zvezdina, E. A. - 1868
Zvonkova, E. N. - 1966, 2141
Zykov, D. A. - 2189

TABLE OF CONTENTS

JOURNAL OF ORGANIC CHEMISTRY

Volume 2, 1966

(A translation of Zhurnal Organicheskoi Khimii)

Engl./Russ.

Number 1

January, 1966

Reactions of Carbenes with Dienes, Enynes, and Diynes. III. A Study of the Reactions of Carbenes with 1-Hexene-4-yne and 2-Methyl-1-hexene-4-yne — L. P. Danilkina and I. A. D'Yakonov	1	3
The Reaction of Asym.-Diethylhydrazine with Some Aliphatic α -Diketones — N. A. Domnin, L. P. Ivanovna, and V. A. Cherkasova.	8	11
Vinyl Ethers of Glycol Monacylates and Their Transformation Products — A. S. Atavin, B. A. Trofimov, V. I. Lavrov, and S. E. Orlova	11	14
Reactions of Halogenometal Alkoxides. XV. Synthesis of Esters of α -Keto Acids — I. I. Lapkin and N. A. Karavanov	14	17
Synthesis and Spectroscopic Study of the Nitro Derivatives of N-Alkylcarbamates — V. D. Nemirovskii, G. A. Gladkovskii, A. I. Kol'tsov, K. K. Kalnin'sh, and S. S. Skorokhodov	16	19
Syntheses of 1-Acyl-5-arylidene(or alkylidene)carbohydrazides — E. P. Nesynov, M. M. Besprozvannaya, and P. S. Pel'kis	21	25
The Synthesis of Some Halogenated 1,8-Dimethylnaphthalenes — L. I. Denisova, N. A. Morozova, and A. I. Tochilkin.	24	27
A Study of Orientation in Aromatic Monohalogenation of Acenaphthene — L. I. Denisova, N. A. Morozova, V. A. Plakhov, and A. I. Tochilkin	27	30
Pyrene Chemistry. I. 5-Amino Derivatives of 3,8,10-Trichloropyrene-1,6-quinone — Yu. E. Garasimenko and V. A. Shigalevskii	31	34
Chemistry of Acetylenic γ -Glycols. I. Cyanoethylation of Sym.-Acetylenic Glycols — P. S. Bataev and L. A. Konstantinova	36	39
The Chemistry of Acetylenic γ -Glycols. II. Mannich Aminomethylation of Sym.-Acetylenic Glycols — P. S. Bataev and L. A. Konstantinova	39	42
Isomerization of Olefins on Hydroformylation — V. Yu. Gankin, D. P. Krinkin, and D. M. Rudkovskii	42	45
Conversions of Bridged Bicyclic Hydrocarbons. II. Isomerization of 2-Ethylbicyclo(2,2,1)heptane in the Presence of Concentrated Sulfuric Acid — N. A. Belikova, A. F. Platé, and A. A. Bobyleva	44	46
Conversions of Bridged Bicyclic Hydrocarbons. III. Synthesis of 2-Methyl- and 3-Methylbicyclo[3.2.1]octanes — N. A. Belikova, A. A. Bobyleva, A. F. Platé, and Kh. E. Sterin	50	53
Alkoxy Compounds. XVI. Synthesis and Saponification of Diphenylmethyl α -Methoxyethylmalonic Ester — A. V. Bogatskii, D. B. Furman, and L. N. Kolodnitskaya ...	56	59
Condensation of 1,3-Dienic Alcohols with Phenols — A. I. Kakhniashvili, D. Ya. Bugianishvili, and D. Sh. Ioramashvili	59	62
Amides of Acetalformylacetic and Ethoxyacrylic Acids — I. I. Kolodkina, K. V. Levshina, S. I. Sergievskaya, and A. I. Kravchenko.	63	66
Polymerizable Oligomers. XXII. Some Factors Influencing the Nucleophilic Replacement of Halogen in the Reaction of Dichloroethane with the K Salt of Methacrylic Acid — A. A. Berlin and A. M. Rabia	70	73

Transformations of Bridged Bicyclic Hydrocarbons. IV. Isomerization of 2-Methyl-bicyclo[2.2.2]octane and 2-Methylbicyclo[3.2.1]octane in the Presence of Concentrated Sulfuric Acid — N. A. Belikova, A. F. Platé, and A. A. Bobyleva . . .	73	77
Bindenol Anilides — R. A. Zhagat, M. R. Buka, and G. Ya. Vanag	79	84
Synthesis of Some Aminomethyl Derivatives of cis- Δ^4 -Tetrahydrophthalimide and Biscyclo-(2,2,1)-5-heptene-endo-cis-2,3-dicarboximide — I. I. Éitingon and S. A. Kamenskaya	83	88
The Acetolic Ester of p-Toluenesulfonic Acid as an Alkylating Agent — M. S. Malinovskii, O. A. Prib, and Ya. T. Velichko	85	90
Acid Chlorides of Arene-N-arylsulfonyliminosulfonic Acids — E. S. Levchenko and L. V. Seleznenko	87	92
Studies in the Field of Thiosulfonic Acids. XII. Infrared Spectra and Structure of Esters of Thiosulfonic Acids — B. G. Boldyrev, L. P. Slesarchuk, E. E. Gatala, T. A. Trofimova, and E. N. Vasenko	91	96
Studies in the Field of Thiosulfonic Acids. XIII. Some Alkyl Esters of Thiosulfonic Acids — T. A. Trofimova and B. G. Boldyrev	98	103
The Ratio of Isomers after Azocoupling. III. Influence of Additions of Monohydric Alcohols and Carbohydrates on the Coupling with α -Naphthol — B. I. Stepanov and L. N. Ogoleva	103	108
Reactions of Aromatic Nitro Compounds. XXIV. Influence of Substituents on the Transesterification of Aryl Ethers of 2,4-Dinitrophenol — S. S. Gitis and A. V. Ivanov	107	112
Preparation of α -Hydroxylaminooximes and Establishment of Syn- and Anti-configuration — L. B. Volodarskii, V. A. Koptug, and A. N. Lysak	110	114
Dianils of Glutaconic Aldehyde of the Biphenyl Series — N. E. Grigor'eva, L. I. Shcherbakova, and I. E. Demyanok	115	119
Substituted Diamides of Diphenyl-4,4'-disulfonic Acid with Two Quaternary Ammonium Groups with a Separation Distance of ~ 20 Å — N. V. Khromov-Borisov and M. L. Indenbom	121	125
Acylation of Terphenyls — E. P. Kaplan, Z. I. Kazakova, and A. D. Petrov	125	130
Azomethine Derivatives of Aminophenylimides of Some Dicarboxylic Acids — D. G. Pereyaslova, É. G. Yushko, and B. M. Krasovitskii	129	134
The Structure of 2-Alkoxy-2-benzyl- α -phenacyl-1,3-indanediones — E. A. Zalukaeva, N. G. Androsova, and L. P. Zalukaev	132	138
Diene Synthesis and Complexes with Charge Transfer. I. Reactivity of Dienes and Their Complexing Ability — A. I. Konvalov and V. D. Kiselev	136	142
Investigations in the Anthraquinone Series. XXXVI. Features of the Oxidative Chlorination of Anthraquinone- α , α' - and β - β' -disulfonic Acids — A. A. Davydov and V. V. Kozlov	139	144
Acenaphthene Derivatives. I. Reduction of 5-Acetyl-6-nitroacenaphthene and the Reaction of 5- α -Hydroxyethyl-6-aminoacenaphthene with Phosgene and Thionyl Chloride — N. S. Dokunikhin and G. N. Vorozhtsov	142	148
Condensation of Azulenium Salts with Aromatic Hydroxyaldehydes — F. N. Stepanov and A. G. Yurchenko	145	150
Reactions of Metal Halide-Alkoxides. XIV. A New Method of Synthesizing Thioethers of the Furan Series — I. I. Lapkin, N. V. Bogoslovskii, and F. G. Saitkulova	150	156
Glycide α -Furfuryl Ether and Its Reactions — S. I. Sadykh-zade and L. G. Ragimova	153	158
Investigations in the Field of the Chemistry of the 5-Halofurans. XXV. The Reaction of 5-Halofurfurylideneanilines with Saturated Secondary Amines — Z. N. Nazarova, V. N. Novikov, and V. S. Pustovarov	156	161
Indole Derivatives. XXII. N-Dialkylaminoalkyl Derivatives of Some Condensed Indole Systems — L. A. Aksanova, N. M. Sharkova, M. A. Baranova, N. F. Kucherova, and V. A. Zagorevskii	159	163
Investigation in the Field of Aminomethylene Derivatives of Azoles. V. Reaction of Aminomethylene Derivatives with Phosphorus Oxychloride — I. Ya. Kvitko and B. A. Porai-Koshits	164	169

Investigation in the Field of Aminomethylene Derivatives of Azoles. VI. The Product of the Hydrolysis of Aminomethylene Derivatives of 1-Phenyl-3-methylpyrazol-5-one — B. A. Porai-Koshits, I. Ya. Evitko, É. A. Shutkova, and T. M. Galkina . . .	168	174
The Cyanoethylation of Nitrogen Heterocycles. III — A. M. Efros	172	178
The Pinacolone Rearrangement in the Di-Tertiary Alcohols of the 1-Azabicycloalkane Series — E. E. Mikhlin, A. D. Yanina, V. I. Shedchenko, Yu. N. Sheinker, and M. V. Rubtsov	174	179
Tertiary Trihydric Alcohols of the Acetylene and Ethylene Series and Their Chemical Reactions. XXXII. Acetic Esters of Substituted Dihydro- and Tetrahydropyrans — V. I. Nikitin, N. V. Glebova, and E. M. Glazunova	179	185

LETTERS TO THE EDITOR

1-Methylbenzimidazole-2-sulfonic Acid — A. V. El'tsov and K. M. Krivozheiko	183	189
---	-----	-----

Number 2

February, 1966

Isomerization of 5-Cyclohexyl-, 5-(2'-Methylcyclohexyl)-, and 5-(4'-Methylcyclohexyl)-3-methylpentene-1-ols-3 — G. K. Krasil'nikova and G. P. Kugatova-Shemyakina . .	187	197
1,3-Bipolar Addition to Unsaturated Compounds. XIII. Addition of Nitrile N-Oxides and Nitrilimines to 1,2- and 2,3-Dichlorobutadiene-1,3 — V. N. Chistokletov and V. O. Babayan	191	201
Reaction between Cyclic Acetals and Phenylethynyl Magnesium Bromide — A. S. Atavir, B. A. Trofimov, and S. E. Orlova	196	206
Reaction of 2,2-Dialkyl-4-vinylhydroxymethyl-1,3-dioxolans with Mercaptans — M. F. Shostakovskii, A. S. Atavin, L. P. Dmitrieva, N. P. Vasil'ev, and G. A. Gladkova	199	209
Research in the Field of Substituted N-Di(β -chloromethyl)amines. Condensation of Acetanilide with γ -Butyrolactones in the Presence of Anhydrous Aluminum Chloride — K. V. Levshina, T. A. Ivanushkina, and S. I. Sergievskaya	203	213
Preparation of 2,2,5,5-Tetra(hydroxymethyl)cyclopentanone Dichlorohydrin — T. L. Renard, V. V. Korshak, G. M. Tseitlin, and I. V. Kamenskii	207	217
Peculiarities in the Halogenation of the Silver Salts of Some Nitrocarboxylic Acids — A. I. Shreibert	210	219
Thermal Decomposition of Bis(1-hydroxyalkylperoxycycloalkyl)peroxides — A. I. Kirillov	212	220
Acid Catalysis of the Reaction of Olefins with Peracids — V. N. Sapunov and N. N. Lebedev	217	225
The Role of Pyridine in the Hydrocarboxylation of Diolefins — N. S. Imyanitov and D. M. Rudkovskii	220	231
Studies in the Chloroaldehyde Field. V. The Formation of Dichloroacetaldehyde from the Reaction of Acetylene, Chlorine, and Water — B. G. Yasnitskii and E. B. Dol'berg	224	235
Hydroxylamine Derivatives — Yu. V. Markova, N. G. Ostroumova, L. N. Zenkova, and M. N. Shchukina	230	239
The Mechanism of Catalyst Action in the Reaction of Ethylene Oxide with Mercaptans — E. N. Zil'berman and G. I. Shilov	238	248
Reaction of Hydroxyl Radicals with Substituted 1,2-Epoxydes — G. A. Razuvaev, V. S. Étlis, and E. P. Morozova	244	256
Synthesis of Di(tert-alkylperoxy)alkanes — Z. F. Nazarova, Yu. E. Bocharova, A. E. Batog, and M. K. Romanchevich	247	259
Kinetics and Mechanism of the Reaction of Ethylene Oxide with Acids — N. N. Lebedev and V. M. Kozlov	252	261
Synthesis of Esters and Other Carboxylic Acid Derivatives under Conditions of Acid Catalysis from Carbon Monoxide, Olefins, and Acylating Compounds. XXIII.		

Carbalkoxylation of Methylcyclohexane and Hydrocarbalkoxylation of Cyclohexene with the Aid of Formic Acid and C ₁ -C ₅ Saturated Alcohols — Ya. T. Éidus, M. B. Ordyan, L. I. Shokina, and M. A. Kanevskaya	256	266
Synthesis and Studies in the Substituted Trimethylenetrissulfone Series. VII. Reaction of Halogen-Substituted Trimethylene and Tri(methylmethylene)sulfones with Secondary and Tertiary Amines — R. G. Dubenko, Yu. V. Tanchuk, and P. S. Pel'kis	260	270
Kinetics and Reaction Mechanism of the Epoxidation of Olefins by Hydrogen Peroxide Catalyzed by Tungstates — V. N. Sapunov and N. N. Lebedev	263	273
Acylation of Aromatic Hydrocarbons — E. M. Shamis and M. M. Dashevskii	270	280
Some Substituted 2-Arylindane-1,3-diones — L. P. Zalukaev and V. V. Moiseev	272	282
Amides and Hydrazides of Oxalic Acid. X. Condensation of Esters of N-Substituted Oxamic Acids with p-Toluenesulfonamide — P. A. Petyunin and V. P. Chernykh	274	285
Investigations in the Field of Thiosulfonic Acids. XIV. Some Esters of 2,4,5-Trichlorobenzenethiosulfonic Acid and Trichlorophenyl Esters of Thiosulfonic Acids — B. G. Boldyrev and O. M. Semotyuk	276	286
Investigation in the Field of the Chemistry of Free Radicals of the Hydrazine Series. XLVII. α -(N-Methylbenzimidazol-2-yl)- and α -(Benzothiazol-2-yl)- α -phenyl- β -2,4,6-trinitro-5-morpholinophenylhydrazyls and Their Properties — R. O. Matevosyan, L. A. Petrov, and V. D. Galyaminskikh	280	290
Some Derivatives of 1,2-Benzanthracene and 3,4- and 1,2-Benzacridines — B. S. Tanaseichuk, I. Ya. Postovskii, and L. F. Lipatova	283	293
Carbonyl Derivatives of the Fluorene Series. III. 2-Chlorofluoren-7-ylglyoxal and 2-Chlorofluorenon-7-ylglyoxal — G. Ya. Uretskaya, A. A. Druzhinina, and M. Ya. Kraft	286	295
Synthesis of Triaryl-Substituted 1,3,5-Trivinylbenzenes — L. Ya. Malkes and N. P. Kovalenko	288	297
The Action of Acidic Agents on Quinonitrols — V. V. Ershov and G. A. Zlobina	290	299
Synthesis of 5-(β -Alkylaminoethoxy)-benzo-1,4-dioxanes Containing Ethyl Groups in the Aromatic Ring — V. K. Daukshas, B. A. Puodzhyunaite, and L. É. Mazhuolite	293	301
N-Alkylation of 3,3-Dimethyl-2-(1'-aminoethyl)-benzo-1,4-dioxane — V. K. Daukshas, A. P. Lastauskas, and G. I. Rupshite	299	307
Reaction of β -Chlorovinyl Ketones with β -Dicarbonyl Compounds. XIV. The Keto-vinylation of Diethyl α -Oxalopropionic Acid — V. F. Belyaev	303	310
Diethyl Esters of (2,4-Dichlorophenoxy)-arylazomalonic Acids — E. P. Nesynov, M. M. Besprozvannaya, and P. S. Pel'kis	306	313
Substituted Hydrazides of Hydroxycarboxylic Acids. XXV. The m-Tolylhydrazides of Diaryl- and Dialkylglycolic Acids — I. S. Berdinskii, Z. D. Alekseeva, A. F. Perevozchikova, and N. A. Kostareva	311	318
The Reduction of Naphtholcarboxylic Acids. XVI. Synthesis of 1-Tetralone-3-carboxylic Acid and Its Enol Acetate — N. S. Yares'ko, N. M. Przhivalgovskaya, and V. N. Belov	315	322
Screened Phenols. IV. A Study of the Reactivity of 2,6-Di-t-butyl-4-ethylidenequinone — Yu. A. Bruk and F. Yu. Rachinskii	317	324
Condensation of Cresols and Naphthols with Some Substituted Vinylcarbinols — A. I. Kakhniashvili and G. Sh. Glonti	320	327
Sphingosine and Its Natural Compounds. V. Mechanism of Conversion of three-trans-1-Hydroxy-2-benzamido-3-chloro-4-octadecene to the Hydrochloride of erythro-3-O-Benzoylsphingosine — A. Ya. Veinberg, L. A. Vakulova, and G. I. Samokhvalov	329	337
Syntheses of Heterocyclic Compounds on the Basis of the E. Fischer Reaction. IV. Identification of Some Products of Catalytic Decomposition of Arylhydrazones — Yu. P. Kitaev, T. V. Troepol'skaya, and A. E. Arbuzov	333	340
Investigations in the Field of Derivatives of β -Dicarbonyl Compounds. VII. 3-Car-bethoxy- α -Pyrone and Its Homologs — Z. I. Shramova, V. G. Vinokurov, and A. P. Skoldinov	338	346

Tautomerism of 5-Aminotetrazole. II. The Structure of p-Toluenesulfonamides of 5-Aminotetrazoles — V. P. Shchipanov, Yu. N. Sheinker, and I. Ya. Postovskii	342	350
The Tautomerism of 5-Aminotetrazole. III. Methylation of Acetyl Derivatives of 5-Aminotetrazoles — V. P. Shchipanov.	347	356
The Tautomerism of 5-Aminotetrazole. IV. Structure of Disulfamides of 2-Methyl-5-aminotetrazole — V. P. Shchipanov and I. Ya. Postovskii	351	360
Some Derivatives of Dihydropyrimidine — A. E. Kretov and N. D. Borodavko	356	364
Investigations in the Field of Hydroxyisoindolines. IV. Synthesis and Properties of 3,3-Dimethyl-2-phenyl-1-p-anisyl-1-hydroxyisoindoline — L. A. Pavlova and S. V. Yakovlev	358	367

LETTERS TO THE EDITOR

Decomposition of Isobutyryl Chloride in the Friedel-Crafts Acylation Reaction. Isopropylation of Di- and Trichlorobenzenes — V. F. Traven', Z. B. Kiro, and B. I. Stepanov.	362	371
cis-1,2,3-Tris(acetoxymethyl)cyclopropane — I. A. D'yakonov and É. M. Kharicheva. . . .	364	372
The Problem of the Structure and Transformations of Aromatic Diazo Compounds. XXXIII. On the Existence of Normal p-Nitrophenyl Diazotate — B. A. Porai-Koshits and V. V. Shaburov	366	373
Investigation of Reactivity in the Series of Monocyclic Amines with Bridge Groupings — L. M. Litvinenko and V. A. Dadali	367	374
A New Form of Optical Stereoisomerism — V. I. Minkin, Yu. A. Zhdanov, E. A. Medyantseva, and V. I. Naddaka	368	375
The Tautomerism of 5-Aminotetrazoles. The Structures of Trifluoroacetylaminotetrazoles — V. P. Shchipanov	369	376
The Paper by R. Kh. Freidlina, E. Ts. Chukovskaya, and B. A. Englin "A New Type of Chain Transfer, Using a Carrier, in Radical Telomerizations" — M. Asscher and D. Vofsi	370	377
A New Type of Chain Transfer, Using a Carrier, in Radical Telomerizations (A Reply to the "Letter to the Editor" by M. Asscher and D. Vofsi) — R. Kh. Friedlina, E. Ts. Chukovskaya, and B. A. Englin	372	378

Number 3

March, 1966

Dual Reactivity of the Sodium Derivatives of Acetoacetic Ester and Acetylacetone in Alkylation with Alkyl Halides — S. T. Ioffe, K. V. Vatsuro, E. E. Kugucheva, and M. I. Kabchnik	377	381
Chemical Activity and Steric Accessibility. III. The Reaction of Arylmagnesium Halides with Chlorodimethyl Sulfide — I. I. Lapkin and R. G. Mukhina	381	385
The Chemistry of Esters of Acetylenic Keto Acids. IV. Addition of Substituted Aromatic Primary Amines to Esters of Phenylethynylglyoxalic Acid — I. I. Lapkin and Yu. S. Andreichikov	384	388
Studies in the Enamine Field. IV. Azo Coupling of Enamines from Propionaldehyde and Butyraldehyde — V. I. Shvedov, L. B. Altukhova, and A. N. Grinev	387	391
Reactions of α -Chloroethers in the Presence of Zinc. III. A New Method of Synthesis of Esters of Aliphatic β -Alkoxy Acids — I. I. Lapkin and Z. D. Alekseeva	390	393
Reactions of α -Bromooxides with Metallic Derivatives of Active Hydrogen Compounds. IX. Reaction of the Potassium Derivative of Dimethyl Methylmalonate with Epibromohydrin and Its Homologs — T. I. Temnikova and S. N. Semenova	393	395
Acetylenic Bis(Epoxides). V. — F. Fa. Perveev, V. Ya. Statsevich, and L. P. Gavryuchenkova	395	397
Configuration and Properties of Unsaturated Acids and Their Derivatives. XVII. Thiocyanation of Erucic and Brassidic Acids and Their Esters — A. K. Plisov and V. I. Lakizo	399	402

Studies in the Field of Amines and Ammonium Compounds. XXXVII. Synthesis and Aqueous-Alkaline Cleavage of Quaternary Ammonium Salts Containing A 2-Alkyl-3-Chloro-2-Buten-1-yl Group - A. T. Babayan, G. T. Martirosyan, L. A. Khachatryan, and É. A. Grigoryan	404	407
A Study of the Chlorination Products of 1,1,2,3-Tetramethyl-2,4-Cyclohexadiene. I. Isolation of Pure 1,1,2,3-Tetramethyl-2,4-Cyclohexadiene - A. M. Kutnevich and D. V. Tishchenko	410	413
1,3-Bipolar Addition to Unsaturated Compounds. XIV. The Addition of the N-Oxide of Acetonitrile to Some Enyne Compounds - L. K. Vagina, V. N. Chistokletov, and A. A. Petrov	414	417
The Radical Reaction of Ethylene and Tetrafluoroethylene with Isopropyl Halides - I. B. Afanas'ev, E. D. Safronko, and V. Ya. Katsobashvili	421	423
Derivatives of Polyhydric Alcohols. II. The Composition of the High-Boiling By-Products of the Synthesis of Trimethylolpropane - S. Z. Kaplan, M. M. Ketslakh, D. M. Rudkovskii, and R. E. Saevich	424	426
Cumylperesters of Aliphatic Dibasic Acids - V. A. Fedorova and T. I. Yurzhenko	427	429
The Structure of Diacylhydrazines - B. A. Zadorozhnyi, I. K. Ishchenko, T. R. Mnatsakanova, and O. P. Shvaika	431	432
Some Reactions of Compounds of the Δ^6 -Cyclohexene Series - G. P. Kugatova-Shemyakina, R. A. Poshkene, and Z. B. Alaune	436	437
Condensation of Vinyl Ethers with Aldehydes of the Δ^3 - and Δ^6 -Cyclohexene and Cyclohexane Series - G. P. Kugatova-Shemyakina, and R. A. Poshkene	441	442
Condensation with Acetone of Some Alkoxy and Diene Aldehydes of the Cycloaliphatic Series - G. P. Kugatova-Shemyakina, and R. A. Poshkene	446	447
Investigation in the Field of the Synthesis and Reactions of Halogen-Substituted Vinyl Aryl Ethers. II. β,β -Dichlorovinyl Aryl Ethers - A. V. Kalabina and T. I. Bychkova	451	452
Investigation in the Field of Alkanesulfonic Acids. XXXIII. Investigation of the Optimum Conditions for the Synthesis of Some N-Arylamides of Alkanesulfonic Acids - A. G. Kostsova and V. K. Kuznetsova	454	454
Compounds with Two Electron-Donating Systems. VIII. The Color Phenomena in Derivatives of N-(Phenylglycyl)-O-(4-Nitrobenzoyl)-1-Amino-2-Naphthol - E. A. Smirnov and A. V. Malygina	456	456
Synthesis of 1,5-Diacylcarbohydrazides - E. P. Nesynov and P. S. Pel'kis	460	459
The Reaction of Nitro Compounds with Aliphatic Alcohols in the Presence of Alumina - N. S. Kozlov and V. Sh. Pasternak	462	461
Synthesis of Isoduridine - E. V. Nikolaev and S. V. Zhuravlev	465	463
Migration of a Chlorine Atom in Dichloronaphthoic Acids - V. A. Koptuyug, A. M. Komagarov, V. P. Chzhu, and V. P. Petrov	467	465
Reactions of Alkoxy-Containing Diarylmethoxides with Esters - M. N. Rybakova	472	470
Behavior of Ketone Peroxides in Solution. IV. Thermal Decomposition of 1,1'-Dihydroperoxydicyclohexyl Peroxide. Catalysis by Organic Acids - V. L. Antonovskii and V. A. Terent'ev	475	473
Substituted Hydrazides of Hydroxycarboxylic Acids. XXVI. Nitrobenzoyl Derivatives of Phenylhydrazides of Diaryl- and Dialkylglycolic Acids - I. S. Berdinskii and L. S. Nikulina	483	481
Syntheses of Arylamides of 1-Acyldicarbohydrazide-5-thiocarboxylic Acids - E. P. Nesynov, M. M. Besprozvannaya, and P. S. Pel'kis	486	484
Investigation of Arylhydrazones Derivatives of Glyoxylic Acid. VIII. Arylhydrazones of the Ethyl Ester and the Amide of 4'-Phenylthiazolylglyoxylic Acid - R. G. Dubenko	488	485
Iodonium Derivatives of β -Diketones. IX. The Reaction of Phenylidoso Acetate with Esters of Acetoacetic Acid - O. Neiland and B. Karele	491	488
Investigation of the Mechanism of Esterification Reactions of Phthalic Acids and Transesterification Reactions of Phthalates by the Labelled Atoms Method		

- E. N. Gur'yanova, P. I. Saukov, A. I. Kutepova, R. A. Soboleva, and N. I. Kutepova and N. I. Grishko	495	493
Aromatic Nucleophilic Substitution. VII. Orientation in Reactions of Pentachloro-Substituted Derivatives of Benzene with Nucleophilic Agents - G. G. Yakobson, L. S. Kobrina, and G. K. Semin	498	495
Investigations in the Field of the Chemistry of Free Radicals of the Hydrazine Series. XXXIV. Benzoyl Derivatives of α -Benz- and Naphthazoyl- α -phenylhydrazines - L. A. Petrov, R. O. Matevosyan, V. D. Galyaminskikh, and N. I. Abramova	503	501
Investigations in the Bis(Arylsulfonyl)Methane Series. I. Arylhydrazones of Carbobis(Phenylsulfonyl) - R. G. Dubenko, V. M. Neplyuev, and P. S. Pel'kis	506	504
Allylation of Phenols and Phenolic Ethers. III. Utilization of Monovalent Copper Compounds in the Allylation of Phenols - S. G. Mel'kanovitskaya	509	507
The Problem of the Structure of Aromatic Diazo Compounds. XXXIII. On the Existence of Isomeric Diazotates - B. A. Porai-Koshits and V. V. Shaburov	512	510
Anthraquinone Derivatives. VII. Polyhalo Derivatives of 1,4-Diaminoanthraquinone - N. S. Dokunikhin, Z. Z. Moiseeva, and V. A. Mayatnikova	518	516
Investigations in the Field of Sulfanilides. XXII. N-Cyanoethylarylsulfonyl-p-Anisidides - V. T. Braichenko, M. S. Malinovskii, and Z. F. Solomko	521	519
Furylalkynes. VII. Furylpropionic Acids - L. I. Vereshchagin, S. P. Korshunov, R. L. Bol'shedvorskaya, and T. V. Lipovich	524	522
Investigations in the Series of Pyran, Its Analogs, and Related Substances. XVIII. Mannich Bases from Some Dihydroxycoumarins	530	528
Heterocyclic Derivatives on the Basis of Derivatives of 1,4-Naphthoquinone. II. Synthesis and Properties of 2,3-Disubstituted Benzoquinoxaline-5,10- diones	533	531
On the Process of Decolorization of Benzylidene Derivatives of Pyrazolone-5 by Alkalies - N. F. Turitsyna, V. S. Il'inskaya, and I. I. Dyuzheva	538	536
Investigations in the Merocyanine Series, Derivatives of Azolones. XI.* Dimethine-merocyanines, Derivatives of Thiazolidinethione-2- one-5 - R. A. Gershtein, Z. P. Sytnik, and É. B. Lifshits	544	543
Ionogenic Addition of Halogens to Bismethylene Bases of Nitrogen Heterocycles. III - A. I. Kiprianov, M. Yu. Kornilov, and S. K. Mikhailik	553	552
LETTERS TO THE EDITOR		
Synthesis of Aryloxypropionic Acids - M. F. Shostakovskii, A. Kh. Filippova, and A. I. Borisova	559	558
A Method of Preparation of Acetylenic Hydroxyethers - I. A. Sh'khiev, B. M. Guseinzade, I. A. Aslanov, N. T. Aslanov, N. T. Mekhmandarova, B. G. Yusufov, M. I. Shikhieva, É. M. Isaev, G. F. Askerov, M. Nasirova, and S. Rzaeva	560	558
On the "1,3-Bipolar Addition" of Carbethoxycarbene to the Triple Bond and a New Isomerization in the Series of Cyclopropene Derivatives - M. I. Komendantov, I. A. D'yakonov, and T. S. Smirnova	561	559
Reaction of Nitroalcohols with Trichloroacetonitrile in Presence of Hydrogen Halides - G. A. Shvekhgeimer and M. L. Shul'man	563	560
Addition of Nitryl Chloride to 1,3-Dienic Hydrocarbons - A. I. Vil'davskaya, K. B. Rall', and A. A. Petrov	564	561

Complexes of Azo Compounds with Metal Halides. I - L. A. Kazitsyna, N. B. Kuplet-skaya, V. A. Ptitsyna, M. N. Bochkareva, and O. A. Reutov	567	565
Complexes of Azo Compounds with Metal Halides. II - L. A. Kazitsyna, N. B. Kuplet-skaya, V. A. Ptitsyna, M. N. Bochkareva, and O. A. Reutov	570	571
Studies in the Alkylated Aromatic Amine Series. VII. Effect of Methyl Groups on Nitrogen, or, in the ortho or para Position, on Ultraviolet Spectra and Ionization Constants N. I. Kudryashova and N. V. Khromov-Borisov	579	578

Reaction of Ethylene Oxide with Amine Hydrochlorides, Preparation of N,N-Bis(β -hydroxy-ethyl)amines – V. P. Mamaev and G. V. Shishkin	584	583
The Relation between Structure and Activity of Ammonium Ions as Catalysts for the Conversion of Thiosulfuric Acid to Polythionic Acids – N. P. Volynskii and N. K. Druzhinina	588	587
Studies in the Field of Vapor Phase Catalytic Hydration of Acetylene and Its Derivatives. XI. A Study of Pentene Formation in the Process of Acetylene Hydration over Cadmium Phosphate Catalyst – Yu. A. Gorin and I. K. Gorn	591	590
Synthesis of Acetylenic γ -Glycols – V. M. Vlasov, A. A. Vasil'eva, and E. F. Semenova	597	595
Dialkylaminomethoxy-Substituted Vinyl Ethers – M. F. Shostakovskii, A. S. Atavin, V. I. Lavrov, B. A. Trofimov, and V. K. Bazanova	599	597
Reactions of α -Amino Acids with Allyl Cyanide or Crotononitrile – P. F. Butskus and A. I. Butskene	602	600
Hydrobromination of Acetylenic Ketones – L. F. Chelpanova and L. N. Mashlyakovskii	604	602
α -Cyanoalkylation. I. α -Cyanoalkyl Sulfonates – A. Ya. Yakubovich, P. O. Gitel', and T. G. Spiridonova	609	607
The Chemistry of Unsaturated Compounds. I. Addition of 2,3-Dichlorotetrahydrofuran to 2-Chloro-1,3-butadiene and Some Transformations of the Trichloride Obtained – S. A. Vartanyan, A. O. Tosunyan, and R. A. Kuroyan	612	610
1,3-Bipolar Addition to Unsaturated Compounds. XV. Addition of Nitrile N-Oxides and Nitrilimines to Diacetylene Homologs – L. B. Sokolov, L. K. Vagina, V. N. Chistokletov, and A. A. Petrov	616	615
Oxa-Compounds. VI – A. V. El'tsov, V. I. Minkin, and I. Yu. Tsereteli	621	620
Research in the Field of Higher Aliphatic Acids. XVII. Synthesis of Deca-2,5,8-triyn-1,10-diol and Octadeca-9,11,13-triynoic Acid – A. A. Kraevskii, A. B. Prokhorov, A. A. Drabkina, and N. A. Preobrazhenskii	628	627
Research in the Lipid Field. XXXI. Synthesis of Glycerol α -1-Tetradecenyl Ether – E. A. Parfenov, G. A. Serebrennikova, and N. A. Preobrazhenskii	630	629
Investigations in the Field of Lipids. XXXII. Synthesis of Monoacidic Saturated and Unsaturated Neutral Plasmalogens – É. A. Parfenov, G. A. Serebrennikova, and N. A. Preobrazhenskii	633	633
Reactions of Compounds with a Labile Halogen. II. Some Products Based on the Reaction of 3-Bromocyclohexene with Isoprene – V. K. Promonenko, O. A. Pochernikova, and V. I. Belov	637	637
Adamantane and Its Derivatives. VI. Substitution Reactions in Aryladamantanes – F. N. Stepanov, E. I. Dikolenko, and G. I. Danilenko	640	640
Adamantane and Its Derivatives. VII. Reactions of Methyl Adamant-1-yl Ketone – F. N. Stepanov and R. A. Myrsina	644	644
Synthesis of Substituted Styrene β -Chlorohydrins and the Kinetics of Their Reaction with Bases. I. Reaction of Styrene β -Chlorohydrin with Hydroxyl Ions – E. N. Barantsevich and T. I. Temnikova	648	648
Investigation in the Field of Glycol Ethers and Their Derivatives. CVI. Synthesis of Alkoxymethyl Ethers of 1-(Hexamethyleneimino)-propane-2,3-diol – Shamkhal Mamedov, F. R. Gadzhiev, and D. N. Khydyrov	653	653
Investigations in the Field of Glycol Ethers and Their Derivatives. CVII. Synthesis of Alkoxymethyl Ethers of the Mono-n-propyl Ether of Diethyleneglycol – Shamkhal Mamedov, R. A. Aminimua'id, and A. S. Agaev	656	656
Synthesis of 8-Oxapentadecanolide – Z. P. Golovina, E. A. Ivakhnenko, A. A. Bakhtinov, A. A. Gornostaeva, I. N. Bratus, and V. G. Voronin	660	660
Odorous Substances from Alkylphenols. XI. The Alkylation of Phenol and the Cresols with 2-Methylpent-1-ene – A. S. Podberezina and L. A. Kheifits	663	662
The Effect of Water on the Liquid-Phase Catalytic Oxidation of the Xylenes – S. S. Gitis, V. N. Aleksandrov, and P. I. Saukov	667	666
Synthesis of Some Aliphatic-Aromatic Aldehydes – T. B. Gerasimovich and N. E. Kologrivova	671	670

The Addition of Arylnitromethanes to 2-Arylideneindan-1,3-diones - L. P. Zalukaev and D. G. Vnenkovskaya	674	672
Investigation in the Field of Cyclic Arylazo- β -diketones. X. Esters of 2-Arylazoindan-1,3-dione-2-carboxylic Acids - L. Sakhar and E. Gudrinietse	676	674
Preparation of β -Ketoacetals of the Δ^3 -Cyclohexene and Cyclohexane Series - G. P. Kugatova-Shemyakina and V. I. Vidugirene	684	682
Condensation of Unsaturated Ketones of the Δ^3 -Cyclohexene and Cyclohexane Series with Acetoacetic Ester - G. P. Kugatova-Shemyakina and V. I. Vidugirene	687	685
A Study of the Hydrolysis and Alcoholysis of α -Chloroethyl Aryl Ethers - M. F. Shostakovskii, A. V. Kalabina, and K. Kh. Zikherman	691	689
Reactions of Arylazochloroacetyl Chlorides with Aromatic Amines, and Hydrazides of Acids - M. O. Lozinskii and P. S. Pel'kis	694	692
Mechanism of Acylation in Presence of Small Quantities of FeCl_3 (Benzoylation of Nerolin) - I. N. Zemzina and I. P. Tsukervanik	699	697
Aromatic Nucleophilic Substitution. VIII. Reaction of Aromatic Chloro Derivatives with Aqueous Potassium Bromide Solution - V. D. Shteingarts, G. G. Furin, G. G. Yakobson, and N. N. Vorozhtsov, Jr.	703	701
Nucleophilic Substitution in the Aromatic Ring. X. Kinetics and Mechanism of Reaction of α - and β -Chloronaphthalenes with Sodium Methoxide in Methyl Alcohol - S. M. Shein and V. A. Ignatov	706	704
Investigation in the Arylhydrazone Series - Derivatives of Glyoxylic Acid. IX. Synthesis of Unsymmetrical 1,5-Diaryl-3-cyanoformazans - R. G. Dubenko and V. D. Panchenko	710	708
β -(p-Alkylmercaptobenzoyl)propionic and o-(p'-Alkylmercaptobenzoyl)benzoic Acid - É. A. Shokova and É. Menketti	713	710
Anthraquinone Derivatives. VIII. Nitration of 2,5-Dimethylbenzophenone and Synthesis of Aminoanthraquinonecarboxylic Acids - N. S. Dokunikhin and E. I. Mostoslavskaya	716	713
Anthraquinone Derivatives. IX. Synthesis of 1-Amino-2-benzoyl-6,7-dihalo Derivatives of Anthraquinone - N. S. Dokunikhin, S. I. Shein, and I. L. Boguslavskaya	720	717
Halo Derivatives of Acenaphthylene - G. P. Petrenko and E. N. Tel'nyuk	724	722
Sydnonoyl Derivatives of Serine and 6-Aminopenicillanic Acid - S. A. Zotova, E. N. Padeiskaya, V. G. Yashunskii, and G. N. Pershin	729	728
Investigations in the Isoxazole Series. XX. The Basicity of Derivatives of Isoxazole - S. D. Sokolov, L. A. Kazitsyna, and I. K. Guseva	733	731
LETTERS TO THE EDITOR		
A Simple Method of Synthesis of Brassilic Acid - L. I. Zakharkin and V. V. Korneva	740	738
The Problem of the Structure of the Trimer of Cyclopentanone - T. A. Favorskaya, A. S. Lozhenitsyna, G. A. Kalabin, and V. M. Vlasov	741	739

Number 5

May, 1966

Raman Spectra of Some Hydrocarbons of the Spiran Series - Kh. E. Sterin, V. T. Aleksanyan, N. V. Elagina, A. K. Mirzaeva, and B. A. Kazanskii	745	741
The Synthesis of Some Carboxylic Acid Derivatives under Acid Catalysis Conditions from Carbon Monoxide, Olefins, and Acylating Compounds. XXIV. Carbomethoxylation of Saturated Hydrocarbons with Formic Acid in the Presence of Olefins and Sulfuric Acid - M. B. Ordyan and Ya. T. Eidus	749	745
Free Radical Addition of β -Alkoxy- and β -Aroxypropionitrile to α -Olefins - S. I. Sadykh-zade and S. D. Yul'chevskaya	754	750
Cyclotrimerization of Acetylenes. IV. Cyclotrimerization of Various Monoacetylenes - K. L. Makovetskii, V. O. Reikhsfel'd, and L. L. Erokhina	757	753

Cyclotrimerization of Acetylenes. V. Cyclotrimerization by Modified Ziegler Catalysts — K. L. Makovetskii, L. L. Erokhina, and V. O. Reikhsfel'd.	762	759
On the Structure of the Selfcondensation Products of 1, 1-Dinitroalkanes — A. I. Ivanov, L. A. Ustynyuk, V. I. Slovetskii, S. A. Shevelev, A. A. Fainzil'berg, and S. S. Novikov .	766	763
The Direction of Radical Addition of Mercaptans to Enynes — I. G. Sulimov and A. A. Petrov.	770	767
Principles in Addition Reactions of Diacetylenes. VIII. Direction of Hydration of Disubstituted Diacetylenes — E. S. Turbanova, Yu. I. Porfir'eva, and A. A. Petrov . . .	775	772
Principles in Addition Reactions of Diacetylenes. IX. Direction of Bromination of Diacetylenes with Triple Bonds Separated by a Methylene Group — Yu. I. Porfir'eva, E. S. Turbanova, and A. A. Petrov	780	777
Principles in Addition Reactions to Conjugated Enyne Ketones. I. Synthesis and Hydrogenation of 1-Hexene-4-yne-3-one, 2-Hexene-5-yne-4-one and 2-Heptene- 5-yne-4-one — G. N. Bondarev and A. A. Petrov.	785	782
Studies in the Lipid Series. XXXIII. Synthesis of α' -Octadecyl-L-(-)- α,β -distearoylglycerol — N. B. Karpova, M. A. Grum-Grzhimailo, L. V. Volkova, L. M. Vernikova, and N. A. Preobrazhenskii.	791	789
Studies in the Lipid Series. XXXIV. Synthesis of α -O-(2-Heptene-1-yl)- β,α' -dipalmitoyl- glycerol — M. V. Berezovskaya, V. S. Mil'ko, O. D. Saralidze, I. K. Sarycheva, and N. A. Preobrazhenskii	794	792
Studies in the Field of Unsymmetrical Olefin Oxides. XXVI. Condensation of Epoxyethers with Sodium Acetoacetic Ester — F. G. Ponomarev and L. K. Alekseeva. .	798	795
The Reaction of Propylene Oxide with Some Acid Chlorides — A. N. Pudovik and É. M. Faizullin	801	798
Synthesis of Acetylenic Aminoacetals and Aminoalcohols — V. M. Vlasov, V. G. Chernova, G. G. Chichkareva, M. M. Loshina, T. S. Kuznetsova, and V. K. Bazanova	805	802
Polymerization of Acetone on Silica Gel with Formation of Carbonaceous Material, Tar and Isobutylene — S. Ya. Kurganova, A. P. Rudenko, and A. A. Balandin.	807	804
Derivatives of Ditertiarybutyl Peroxide Monosulfonic Acid — Yu. A. Ol'dekop, L. A. Churkina, and M. I. Zavadskaya.	813	811
Condensation of γ,γ -Dicarboethoxybutyraldehyde with Compounds Containing an Active Methylene Group — L. K. Osanova and V. B. Piskov	817	815
Reaction of Unsymmetrically Disubstituted Hydrazines with Derivatives of α,β -Unsaturated Acids. VI. Formation of Bipolar Compounds from Methiodides of Acid Hydrazides — T. A. Sokolova, L. A. Ovsiannikova, and N. P. Zapevalova.	821	818
Cyclopropanes and Cyclopropenes. II. Synthesis and Some Physical Properties of the Stereoisomeric 1,2-Dialkylcyclopropane-3-carboxylic Acids and Their Esters — I. A. D'yakonov and R. R. Kostikov	825	823
Synthesis and Some Reactions of Tertiary Diacetylenic Glycols and Alkoxy- and Alkylthioenynic Alcohols — A. V. Bogdanova, G. P. Kugatova-Shemyakina, A. N. Volkov, and T. A. Ivanova.	832	831
The Reactivity of the Cyclic Double Bond Cyclohex-3-enecarboxylic Acids and Their Derivatives and Cyclohex-3-enyl Methoxymethyl Ketones and Chloromethyl Ketones — G. P. Kugatova-Shemyakina and R. A. Poshkens.	841	844
Hydration of α -Acetylenic Ketones of the Cyclohex-3-ene and Cyclohexane Series — G. P. Kugatova-Shemyakina and V. I. Vidugirene	848	851
From the Field of the Synthesis of Pesticides. I. Synthesis of Allyl Ethers of Chlorinated Aromatic Hydroxyketones — L. P. Sinyavskaya and A. A. Shamshurin.	852	855
Perbenzoylalkyl (-Aryl) Carbonates. IV. Thermal Decomposition of Perbenzoylmethyl Carbonate in Carbon Tetrachloride and Chloroform — G. A. Razuvaev, V. A. Dodonov, and T. I. Starostina	854	857
Substituted Hydrazides of Hydroxycarboxylic Acids. XXVII. Dimethyl-, Dipropyl-, and Dibutylaminoacetyl Derivatives of the Phenylhydrazides of Diaryl- and Dialkylglycolic Acids — I. S. Berdinskii and L. N. Starostina	859	862

The Reaction of p-Toluidine with Amides of β -Substituted Propionic Acids — P. F. Butskus and A. I. Butskene	861	864
An Investigation of Arylhydrazones of Substituted Arylsulfonylglyoxylic Acids. IV. Synthesis and Properties of the Monoarylhydrazones of Arylsulfonylmethylglyoxals — R. G. Dubenko, Yu. N. Usenko, and P. S. Pel'kis	863	866
Synthesis of Some Diethylaminoalkyl Esters of Benzilic and Diphenylacetic Acids — S. F. Torf and T. Yu. Stolyarova	866	869
The Production of Esters of Hexamethylenedicarbamic Acid — O. V. Smirnova, M. A. Vlasova, R. Nadir, and G. S. Kolesnikov	869	873
Imines of Di- and Poly-ketones. XIX. 3-Amino-1-imino-2-indenes — Ya. F. Freimanis, G. Ya. Vanag, and V. A. Nakele	872	876
Investigations in the Series of Pyran, Its Analogs, and Related Substances. XII. On the Benzoylation of Esculetins — V. A. Zagorevskii and Z. D. Kirsanova	880	884
Halogenation of Unsaturated Compounds by Aromatic Diazo Compounds. XXX. Reactions of Symmetrical Dichloroethylene with Aryldiazonium Chlorides — V. M. Naidan and A. V. Dombrovskii	883	888
Alkyl Esters of Arene-N-Arylsulfonyliminosulfonic Acids — E. S. Levchenko and L. V. Seleznenko	886	890
Investigation in the Series of Azomethine Bases. VIII. Azomethine Bases — Derivatives of Aromatic Diamines with Single-Link Bridge Groupings — B. M. Krasovitskii and N. I. Mal'tseva	890	894
The Zwitterion Structure of Fluorescein — Yu. E. Sklyar and G. I. Mikhailov	894	899
Investigations in the Field of Tetrahydronaphthalene Derivatives. III. 1-Di-(2'-Chloro- ethyl)amino-5-amino-1,2,3,4-tetrahydronaphthalene — T. Panaitescu, Z. Dumitresku, and I. Ambrush	897	901
N-(Anthraquinonyl-1)- ω -aminoaliphatic Aldehydes and Ketones from 1-Polymethyleneiminoanthraquinones — E. P. Fokin and V. V. Russkikh	902	907
A New Intramolecular Rearrangement of 1-Dialkylamino- and 1-Polymethylene- iminoanthraquinones. Anthra[1,9-de]-1,3-oxazines — E. P. Fokin and V. V. Russkikh	907	912
The Structure and Tautomerism of 2-Amino-1-methylbenzimidazole and Its N-Acyl Derivatives — Yu. N. Sheinker, A. M. Simonov, Yu. M. Yumilov, V. N. Sheinker, and E. I. Perel'shtein	911	917
Halochromism of Arylhydrazones of Trimethylenetrisulfone. V. Investigation of Arylhydrazones of Trimethylenetrisulfone in Concentrated Sulfuric Acid Solutions — R. G. Dubenko, Yu. V. Tanchuk, and P. S. Pel'kis	917	924
Investigations in the Field of Rhodamine Dyes and Related Compounds. XVII. Acridine Analogues of Rhodamine and Fluorescein — I. S. Ioffe, K. N. Zelenin, and A. L. Shapiro	920	927
In Memory of Aleksandr Ivanovich Titov — I. L. Knunyants and A. I. Korolev	924	932
LETTERS TO THE EDITOR		
The Rearrangement of γ,δ -Epoxyketones to Ketoalcohols of the Cyclopropane Series — B. A. Ershov, O. A. Ermakov, A. I. Kol'tsov, and T. I. Temnikova	926	933
On the Normal Friedel-Crafts Acylation of p-Dichlorobenzene — B. I. Stepanov, V. F. Traven', and L. V. Darda	927	934

Number 6

June, 1966

Chemistry in the New Five Year Period	929	I
The Concept of Tautomerism in the Field of Polynitro Compounds — V. I. Slovetskii, A. I. Ivanov, A. A. Fainzil'berg, S. A. Shevelev, and S. S. Novikov	932	937
Mercurated Phosphonium and Arsonium Salts — N. A. Nesmeyanov, V. M. Novikov, and O. A. Reutov	937	942

Principles in Sulfochlorination of Substituted Paraffins - V. M. Kostyuchenko and A. I. Gershenovich	941	947
Mixed Dialkyl Sulfates - G. A. Sokol'skii	945	951
A New Field of Application for the Favorskii Reaction - M. F. Shostakovskii, V. M. Vlasov, T. S. Kuznetsova, and L. P. Safronova	947	953
Polyfunctional Acetals. III. Reaction of Acetylenic Alcohols with Vinyl Cyclohexyl, Vinyl Menthyl and Vinyl Phenyl Ether - M. F. Shostakovskii, V. M. Vlasov, P. I. Grenovskii, G. R. Langvagen, and N. I. Golovanova	951	957
Cyclotrimerization of Acetylenes. VII. Synthesis and Structural Transformations of Cyclic Trimers of Tert.-butylacetylene - V. O. Reikhsfeld, B. I. Lein, and K. L. Makovetskii	955	961
Studies in the Field of Diacetylenic Hydrocarbons. III. 4,4-Dimethyl-2,5-heptadiyne and 1-Phenyl-3,3-dimethyl-4-hexadiyne - G. D. Gracheva and A. I. Zakharova	959	965
Steric Hindrance in Intramolecular Addition Reactions - F. Ya. Perveev and R. A. Bogatkin	963	969
Percarbonates Containing Three-membered Heterocycles - V. S. Etlis, N. N. Trofimov, and G. A. Razuvaev	967	973
S-Ketovinylation. Synthesis and Properties of Salts of β -Aroylethylenesulfonic Acids - M. I. Rybinskaya and A. N. Nesmeyanov	972	978
Kinetics of Addition of Methanol to Phenyl- β -cyanovinyl Ketone - A. N. Nesmeyanov, L. V. Rybin, and M. I. Rybinskaya	978	985
Kinetics of Reactions of Phenyl- β -nitrovinyl Ketone with Methanol - A. N. Nesmeyanov, L. V. Rybin, and M. I. Rybinskaya	983	991
Investigation of the Cyclotrimerization of Butadiene into Cyclododecatriene - L. I. Zakharkin and V. M. Akhmedov	990	998
Characteristic Features of the Addition Reaction of Diacetylenes. X. The Direction of the Hydration of Conjugated Monoalkyldiacetylenes - L. B. Sokolov and A. A. Petrov	994	1003
Characteristic Features of Additions to Conjugated Enynic Ketones. II. Diene Syntheses with the Participation of Conjugated Enynic Ketones - G. N. Bondarev and A. A. Petrov	997	1005
Alkylthioenynes and Their Analogs. VIII. Direction of Hydration of Alkylthioalkenynes - Yu. A. Boiko, B. S. Kunin, and A. A. Petrov	1000	1008
Investigations in the Field of Derivatives of β -Dicarbonyl Compounds. IX β -Formyl- vinylmalonic Ester and Its Homologs - Z. I. Shramova, V. G. Vinokurov, N. D. Konevskaya, and A. P. Skoldinov	1005	1014
The Reaction of Acrylonitrile with Ammonia - V. V. Lobkina, S. L. Plaksunova, and A. E. Portnyanskii	1010	1019
Investigations in the Field of Chlorinated Aldehydes. II. The Oxidation of Chloro- acetaldehyde with Oxides of Nitrogen in an Aqueous Medium - B. G. Yasnitskii and A. P. Zaitsev	1013	1022
Investigation of the Rate of Catalytic Isomerization of Some Bicyclic Hydrocarbons Using a Micro Reactor - A. F. Plate, E. M. Mil'vitskaya, and B. B. Blinov	1017	1026
Synthesis of Some Aliphatic-Aromatic Derivatives β - β' -Dichlorodiethylamine - N. I. Ganushchak, K. G. Zolotukhina, and K. G. Tashchuk	1023	1032
The Reaction of Sulfuric Acid with Cyclohexanone Cyanohydrin - V. A. Zagorevskii K. I. Lopatina, and É. I. Fedin	1026	1035
Isomerization of β -Phellandrene into α -Phellandrene - I. I. Bardyshev, M. Ya. Shashkina, and V. I. Kulikov	1031	1039
The Reaction of Cyclohexene with Formaldehyde in the Presence of Hydrochloric Acid and the Preparative Synthesis of Cyclohex-2-enyl Carbinol - N. P. Volynskii, G. D. Gal'pern, and A. B. Urin	1035	1043
Reactions of α -Hydroxyalkoxy and α -Hydroxyaralkoxy Radicals in Solution - A. I. Kirillov	1040	1048

Monocumylperoxyacetals and Their Reactions with Tert-alkylhydro-peroxides - Z. F. Nazarova, A. E. Batog, and M. K. Romantsevich	1044	1052
The Synthesis of the Vinyl Ethers of N-Acetyl-o-, -m-, and -p-Aminophenols - G. G. Skvortsova, G. N. Kurov, and M. Ya. Samoilova	1046	1054
The Synthesis of Polycarboxy-Derivatives of Diphenyloxide- G. S. Kolesnikov, O. Ya. Fedotova, and É. I. Khofbauer	1050	1058
The Synthesis and Investigation of Some Unsaturated Mono- and Diketones - V. E. Bondarenko, M. M. Dashevskii, B. M. Krasovitskii, and D. G. Pereyaslova	1052	1060
The Conversion of Halogen-Containing Aromatic Compounds in the Presence of an Organic Base. III. On the Substitution of Chlorine in 1,8- and 1,2-Chloronaphthoic Acids- V. N. Lisitsyn and L. A. Didenko	1055	1063
Halogenation of Unsaturated Compounds with Aromatic Diazo Compounds. XXII. Chloroarylation of 1,3-Butadiene, Isoprene, and Piperylene with Biphenyl-p,p'- bisdiazonium Chloride and Some Conversion Products of the Reaction - N. I. Ganushchak, K. G. Zolotukhina, and A. V. Dombrovskii	1058	1066
Nucleophilic Substitution in the Aromatic Series. XI. Kinetics of Reaction of o-, m-, and p-Dichlorobenzenes and Hexachlorobenzene with Sodium Methoxide in Anhydrous Methanol- S. M. Shein and V. A. Ignatov	1062	1070
Nucleophilic Substitution in the Aromatic Series. XII. Kinetics of Formation of 2,4,5- Trichloroaniline from 1,2,4,5-Tetrachlorobenzene- S. M. Shein and L. A. Kozorez	1066	1073
Iminoxyl Polyradicals of the Biphenyl Series- É. G. Rozantsev, V. A. Golubev, V. I. Suskina, and M. B. Neiman	1069	1075
Isomerization of 2-Bromo-2- (benzyl- α -phenacyl)indanedione-1,3- L. P. Zalukaev, E. A. Zalukaeva, and N. G. Androsova	1071	1077
Imination of Bindone- R. A. Zhagat, M. R. Buka, and G. Ya. Vanag	1074	1080
Condensation of Cyclic β -Dicarboxylic Compounds with α -Halodicyclanones. I. Reaction of α -Bromocyclohexanone with Dimedon, 4-Hydroxycoumarin, and 1,3-Indanedione - V. A. Barkhash, V. S. Velezheva, and I. V. Machinskaya	1077	1083
Reactions of Diketene. VII. Reaction of Diketene with Some Hydroxy Compounds of the Anthracene Series- G. D. Padva	1080	1086
Derivatives of 1-Phenyl-2,5-bischloromethylpyrrolidine- S. V. Sokolov and S. N. Borodulina	1082	1088
Investigations in the Field of the Chemistry of Free Radicals of the Hydrazine Series. XXXVI. Thiazolyphenylbenzoylhydrazyls and Their Properties- D. P. El'chinov, R. O. Matevosyan, and A. K. Chirkov	1086	1092
Studies in the Field of Imidazole Derivatives. XXXVIII. 4,7-Quinones of Benzimidazole - E. R. Zakhs and L. S. Éfros	1089	1095
Investigations in the Field of Imidazole Derivatives. XXXIX. Polarographic Properties and Some Spectral Characteristics of Benzimidazole Quinones- B. D. Bezuglyi, L. Ya. Kheifets, É. R. Zakhs, and L. S. Éfros	1096	1103
The Tautomerism of 5-Aminotetrazole. V. The Structure of Disulfamides of 1-Methyl- 5-aminotetrazole- V. P. Shchipanov and I. Ya. Postovskii	1100	1108
Condensation of 3,3-Dimethyl-1-phenyl-1-hydroxyphthalan with Acetoacetic Nitroacetic and Cyanoacetic Esters- A. N. Orlova and V. S. Lineva	1103	1111
Investigations in the Field of 1,3-Dioxolanes. I. A New Method of Synthesis of 1,3- Dioxolanes- I. I. Lapkin and N. A. Samoilovskikh	1107	1115
LETTERS TO THE EDITOR		
The Reaction of Acetylene with Organic Disulfides- A. S. Atavin, B. A. Trofimov, and S. V. Amosova	1110	1119
The Ester Condensation of Acetyl-aminomalonic Ester- V. S. Martynov, A. N. Makarova, and A. Ya. Berlin	1111	1119
A Rearrangement of the Pinacolone Type in the Chlorination of Dimethylisopropenylcarbinol - V. R. Kartashov and I. V. Bodrikov	1112	1120

Nitration of Aryl-2-pyrones with Nitric Acid - N. P. Pusherina, N. D. Dmitrieva, N. N. Malysheva, and R. Ya. Levina.	1113	1120
On the Photochemical Dehydrogenation of Alcohols - V. I. Mal'tsev	1115	1121
A New Method of Synthesis of Six-membered Cyclic Sulfides - V. G. Kharchenko, S. K. Klimenko, A. M. Piaksina, and A. R. Yakoreva.	1116	1122
Reduction of Trimethylamine N-Oxide by Thiols - S. D. Sokolov and N. M. Naidenova. ...	1117	1123
Synthesis of Indolone Derivatives - V. M. Berestovitskaya, V. V. Perekalin, and A. A. Sopova	1118	1123
Thionylaniline in a Substitutive Addition Reaction - E. G. Kataev and V. V. Plemenkov. ...	1119	1124
DISCUSSION		
On the Isomerism of Diazotate Ions - B. A. Porai-Koshits.	1120	1125

Number 7

July, 1966

Ivan Lyudvigovich	1123	1128
Alkylation of Organomercury Compounds. I. Reaction of α -Bromomercuriphenyl Acetic Acid Ethyl Ester with Triphenylbromomethane in Nitromethane and in Dichloro- ethane - I. P. Beletskaya, O. A. Maksimenko, and O. A. Reutov	1124	1129
Alkylation of Organomercury Compounds. II. Influence of Structural Factors on the Reaction of α -Bromomercuriarylacetic Acid Ethyl Esters with Triaryl bromomethanes in Nitromethane and in Dichloroethane - I. P. Beletskaya, O. A. Maksimenko, V. B. Vol'eva, and O. A. Reutov	1127	1132
Alkylation of Organomercury Compounds. III. Reaction of Arylmercuribromides with Triphenylbromomethane in Dichloroethane - O. A. Maksimenko, I. P. Beletskaya, and O. A. Reutov	1131	1137
Conformational Investigation of the Stereoisomeric 1,4-Dimethyl-3-acetyl-4-piperidols - B. V. Unkovskii, A. A. Mel'nikova, M. G. Zaitseva, and Yu. F. Malina	1135	1141
Stereochemistry of the Cyanohydrin Synthesis. I. Conformational Investigation of the Stereoisomeric 1,2-Dimethyl-, 1,3-Dimethyl-, and 1,2,5-Trimethyl-4-carbomethoxy- 4-piperidols - B. V. Unkovskii, V. B. Belyanin, E. M. Urinovich, and Yu. F. Malina	1141	1148
Use of Alkoxyethylamines to Obtain α -Acetylenic Amines - R. I. Kruglikova, G. R. Kalinina, Ya. V. Khaetskaya, and G. S. Leonova	1147	1155
Conversion of α -Glycols of the Acetylenic Series by Treatment with a 25-30% Sulfuric Acid Solution - F. Ya. Perviev and L. N. Shil'nikova	1150	1158
Synthesis of Unsaturated Polymerizable Hydroperoxides and Some of Their Reactions - T. I. Yurzhenko, M. R. Vilenskaya, and E. I. Khutorskoi	1154	1161
Synthesis of Epoxypropionitriles of the Aliphatic Series - S. I. Sadykh-Zade and R. A. Sulmanov	1158	1166
The Reaction of α -Haloethers with Metallic Derivatives of β -Dicarbonyl Compounds - T. I. Temnikova and V. V. Takhistov	1160	1168
The Reaction of α -Bromooxides with Metallic Derivatives of Compounds Having an Active Hydrogen Atom. X. Structure of the Reaction Products of Sodium Malonic Ester with α -Bromooxides - T. I. Temnikova and S. N. Semenova	1163	1171
Principles in Addition Reactions of Diacetylenes. XI. The Direction of Nucleophilic Addition of Mercaptans to Dipropargyl and Its Homologs - A. A. Petrov and M. P. Forost	1169	1178
A Study of the Photolysis of Solid Solutions of Hydrogen Peroxide in Trimethylcarbinol at 77°K by Electron Paramagnetic Resonance - V. I. Mal'tsev and A. A. Petrov	1173	1182
A Study of the Optical Rotatory Dispersion of Acyl Derivatives of Glycerol - M. A. Grum- Grzhimailo, N. B. Karpova, L. V. Volkova, V. B. Korchagin, and N. A. Preobrazhenskii	1178	1187

Studies in the Lipid Field. XXXV. Synthesis of cis-1-Hexadecenyl Ethyl and cis-1-Octadecenyl Ethyl Ethers - T. V. Serebryakova, G. A. Serebrennikova, and N. A. Preobrazhenskii	1184	1193
Organic Insecticides and Fungicides. XCVIII. Synthesis of Some Trichloroalkyl and Dichloroalkenyl Dithiocarbamates - S. D. Volodkovich, G. I. Liberman, N. N. Mel'nikov, and E. M. Sokolova	1187	1196
The Synthesis of Alkyl Esters of Arylthiolcarbamic Acids - Yu. A. Baskakov and V. S. Khandkarova	1191	1199
δ -Lactones and δ -Lactams. L. Benzylidene Derivatives of δ -Enol Lactones - N. P. Shusherina, E. A. Luk'yanets, T. L. Tsilevich, and R. Ya. Levina	1194	1202
Free Radical Addition of Monobasic Acids to 4-Vinylcyclohexene - S. I. Sadykh-Zade and R. A. Dzhalilov	1198	1205
Study of the Thermal Isomerization Product of Ascaridole. IV. The Structure of the Products Obtained during the Reaction of Hydrogen Chloride and Oxalic Acid on Isoascaridole - A. S. Danilova and A. I. Kol'tsov	1201	1208
Amides and Hydrazides of Oxalic Acid. XI. Hydrazones and β -Acyl Derivatives of 4-Ethoxyxanilic Acid Hydrazide - P. A. Petyunin and M. V. Zakalyuzhnyi	1203	1210
On the Preparation of Arylhydrazones of Mesoxalic Diethyl Ester - E. P. Nesynov, M. M. Besprozvannaya, and P. S. Pel'kis	1206	1213
Synthesis of N-Substituted Methacrylamides. VIII. A New Method for the Preparation of Dimethacrylamides - G. D. Rudkovskaya and T. A. Sokolova	1212	1220
Synthesis of Ketals of α - and β -Ionone in Their Reactions with Unsaturated Ethers - B. M. Mikhailov and L. S. Povarov.	1215	1223
Preparation and Study of the Bactericidal Properties of the Benzyl Chloride Derivatives of α -Acetylenic Aminoalcohols and Their Derivatives - R. I. Kruglikova and N. A. Kamennov	1219	1227
A Study of the Mechanism of the Demethylation of Anisole and the Oxidation of Phenoxyacetic Acid by Peroxides Using O^{18} - L. G. Shevchuk and N. A. Vysotskaya. .	1222	1229
The Oxidation of 2,6-Di- <i>t</i> -butyl-4-methylphenol in the Presence of a Complex Copper-Pyridine Catalyst - L. V. Gorbunova, N. S. Vasileiskaya, M. L. Khidekel', and G. A. Razuvaev	1227	1233
The Oxidation of Some Alkoxyphenols in the Presence of Complex Catalysts - L. V. Gorbunova, N. E. Khrushch, N. S. Vasileiskaya, M. L. Khidekel', and G. A. Razuvaev	1230	1236
Allylation of Phenols and Phenol Ethers. IV. Allylation of Resorcinol in the Presence of Compounds of Monovalent Copper - I. S. Nikiforova and S. G. Mel'kanovitskaya ..	1234	1240
Synthesis of Dibromomethyl Aryl Ketones - V. P. Kravets, G. I. Chervenyuk, and G. V. Grinev	1238	1244
The Reaction of β -Hydroxyethylanilines with Mineral Acids and Aniline Hydrochlorides - K. D. Petrov and R. G. Tikhomirova.	1240	1246
Cyclic β -Aminovinylimines. II. Improved Method of Synthesizing 3-Amino-2-aryl-1-imino-2-indenes and Their Salts - Ya. F. Freimanis, V. A. Usov, and G. Ya. Vanag.	1244	1250
Reduction of Sulfonyl Azides - G. P. Balabanov and Yu. I. Dergunov.	1250	1256
Investigations in the Field of Acyl Peroxides. XIII. Synthesis of Some Acetyl Aroyl Peroxides - Yu. A. Ol'dekop and A. P. El'nitskii.	1252	1257
The Reaction of Esters of Sodium Trithiocarbonate with $\beta(\gamma)$ -Haloalkylamines - G. I. Pustoshkin and F. Yu. Rachinskii	1254	1259
Oligomeric N-Methylated Amides and Amines. I. Sarcosine Derivatives - N. V. Smirnova and A. P. Skoldinov	1257	1261
Derivatives of the Diimide of Pyromellitic Acid - S. S. Gitis, V. M. Ivanova, S. A. Nemleva, and Z. N. Seina	1261	1265
The Reduction of Nitrobenzene with Yellow Phosphorus - N. S. Kozlov and V. A. Soshin ...	1264	1267
Oligomeric N-Methylated Amides and Amines. II. Isoindolyl-N-methylethylenediamines - N. V. Smirnova and A. P. Skoldinov.	1266	1269

Alkylation of Xylenes with γ -Butyrolactone— Ch. Sh. Kadyrov and D. Z. Lainapov	1269	1272
The Alkylation of Aromatic Compounds with Dienic Hydrocarbons and Their Hydrochlorides. XI. The α, γ -Dimethylallylation of Anisole with Piperylene Hydrochloride in the Presence of Metallic Catalysts— E. A. Vdovtsova, L. P. Yanichkin, and I. P. Tsukervanik	1272	1275
The Alkylation of Aromatic Compounds with Dienic Hydrocarbons and Their Hydrochlorides. XII. The α, γ -Dimethylallylation of Anisole, Phenetole, and Phenol with Piperylene Hydrochloride in the Presence of Acidic Catalyst— E. A. Vdovtsova, L. P. Yanichkin, and I. P. Tsukervanik	1277	1279
The Influence of Substituents on the Rate of Formation of Aminotriarylcarbinols — G. S. Idlis and O. F. Ginzburg	1282	1284
Some Vinyl Monomers— Biphenyl Derivatives— M. I. Dovgosheya and B. M. Krasovitskii	1286	1288
Anthraquinone Derivatives. XII. Direct Amination and Ammonolysis of 2,3,6,7-Tetra- chloroanthraquinone— N. S. Dokunikhin, Z. Z. Moiseeva, and V. A. Mayatnikova	1289	1292
The Chemistry of Pyrene. II. 5-Anilino Derivatives of 3,8,10-Trichloropyrene-1,6- quinone— Yu. E. Gerasimenko and V. A. Shigalevskii	1291	1294
Diacetylenic Derivatives of the Furan Series— I. S. Shvartsberg, B. G. Kruglov, and I. L. Kotlyarevskii	1294	1297
Individual Iminoxyl Polyradicals of Hydrogenated Pyrrole— L. A. Krinitskaya, A. L. Buchchenko, and É. G. Rozantsev	1298	1301
Heterocyclic Derivatives on the Basis of Substituted 1,4-Naphthoquinones. III. Sulfonation of Naphtho(2,3-d)imidazole-4,9-dione— G. N. Kul'bitskii and L. S. Éfros	1302	1305
The Chemistry of Free Radicals of the Hydrazine Series. XXXVII. Benzazoyl- and Azolyphenyltriphenylmethylhydrazyl Radicals and Their Properties— D. P. El'chinov, L. A. Petrov, R. O. Matevosyan, and A. K. Chirkov	1306	1309
The Chemistry of Free Radicals of the Hydrazine Series. XXXVIII. α -Benzazoyl- α - phenyl- β -dinitrophenylhydrazyls— R. O. Matevosyan, L. A. Petrov, and V. D. Galyaminskikh	1308	1311
3- ϵ -Carboxyamylrhodanine and Some of Its Derivatives— L. T. Bogolyubskaya, V. A. Bogolyubskii, and Z. P. Sytnik	1311	1315
LETTERS TO THE EDITOR		
The Reaction of Diphenylcarbene with Chloroprene— I. A. D'yakonov and T. A. Kornilova	1314	1317
The Interaction of Dibenzoylchloromethane with Sodium Methoxide— T. I. Temnikova, A. S. Dneprovskii, and V. D. Barashkin	1315	1318
Application of the Darzens Reaction to the Synthesis of Esters of Epoxy-Unsaturated Acids — V. F. Martynov and E. I. Strygin	1316	1319
Synthesis of Vinyl Ethers of Acetylenic Aminoalcohols— V. M. Vlasov, V. G. Chernova, and Yu. M. Faershtein	1317	1319
A New Method of Synthesis of Monovinyl Ethers of Glycols— V. M. Vlasov and T. S. Kuznetsova	1318	1319
p-Triptycenequinone as a Dienophile— V. R. Skvarchenko, A. G. Shil'nikova, and R. Ya. Levina	1319	1320
Synthesis of 4'-Dimethylaminobenzenesulfo-(4-nitro)aniline— E. V. Chechegoeva, L. Kh. Vinograd, and V. A. Izmail'skii	1320	1321
Metalation of Phenylcyclohexyl Ketone— B. Z. Askinazi, D. V. Ioffe, and S. G. Kuznetsov	1321	1322
1,3-Dipolar Addition of Dehydrobenzene to N-Phenylsidnone— A. Ya. Lazaris	1322	1322
Bayer— Williger Oxidation of Tetranitrobenzil— A. A. Dolgalev and S. A. Samodumov	1323	1323
DISCUSSION		
On the Mechanism of Formation of Hexachlorocyclopentadiene from Polychloropentanes — I. M. Kogan	1324	1324

Infrared and Ultraviolet Spectra of Organomercury Compounds. II. UV Spectra of Ethyl Aryl(bromomercuri)acetates – G. A. Artamkina, I. P. Beletskaya, Yu. A. Pentin, and O. A. Reutov	1327	1329
Alkoxy Compounds. XVIII. Configurations and Conformations of Some 5-(1-Alkoxyethyl)-2,5-Dialkyl-m-Dioxanes – A. V. Bogat-skii, Yu. Yu. Samitov, and N. L. Garkovik	1332	1335
Cyclotrimerization of Acetylenes. VIII. Cyclotrimerization of 1-Hexyne in Presence of Complex Catalysts Based on Vanadium Halides – T. Yu. Gindorf and V. O. Reikhsfel'd	1341	1345
Chemistry of Unsaturated Ethers. XXIII. Condensation of Glutaconaldehyde Acetals with 1-Alkenyl and 1,3-Alkadienyl Ethers. Synthesis of Derivatives of Polyenic Dialdehydes with an Odd Number of Carbon Atoms in the Chain – S. M. Makin, O. A. Shavrygina, M. I. Berezhnaya, and V. M. Likhoshesterov	1344	1349
Chemistry of Unsaturated Ethers. XXIII. Diene Condensation of 1,3-Alkadienyl Alkyl Ethers with Aldehydes – O. A. Shavrygina and S. M. Makin	1349	1354
Addition Reactions of Diacetylenes. XII. Nucleophilic Addition of Thiols to Unconjugated 1,5-Alkadiynyl Alkyl Sulfides – A. A. Petrov and M. P. Forost	1352	1358
Diene Condensations of 2,3-Dichloro-1,3-butadiene – R. N. Engibaryan, V. O. Babayan, and A. A. Petrov	1356	1362
Synthesis of Salts of γ, γ -Dinitro α -Hydroxy Ketones – A. D. Nikolaeva, L. K. Popov, and G. Kh. Kamai	1362	1369
Reactions of Organic Peroxides Catalyzed by Lewis Acids. II. Reactions of Some Acyl Peroxides with Toluene under the Influence of Boron Trifluoride and Its Compounds – G. A. Razuvaev, N. A. Kartashova, and L. S. Boguslavskaya	1365	1372
Glycol Ethers and Their Derivatives. CVIII. Synthesis of 2-(Alkoxy-methoxy)-N,N-diethyl-3-(hexyloxy)propylamines – Shamkhal Mamedov, Kh. Kh. Shamilov, and D. N. Khydyrov	1369	1377
Glycol Ethers and Their Derivatives. CIX. Synthesis of 1-(Alkoxy-methoxy)-2-phenylpropanes and 1-(Alkoxy-methoxy)-3-isopropoxy-1-phenylpropanes – Shamkhal Mamedov, D. N. Khydyrov, A. S. Rzaev, V. R. Rustamov, and S. Novruzova	1373	1382
Imidosulfurous Diamides and Amidoimidosulfurous Esters – E. S. Levchenko, B. N. Ugarov, and I. É. Sheikman	1378	1388
Substituted Hydroxy Carboxylic Hydrazides. XXXI. 4,4'-Dimethoxybenzyl Aryhydrazides – I. S. Berdinskii and N. A. Kostareva	1382	1392
Radical Mechanism of the Quino-Benzyl Rearrangement of a Substituted Quinobromide – V. D. Pokhodenko and N. N. Kalibabchuk	1387	1397
Oxidation of 3-Carene with Selenium Dioxide in Acetic Anhydride – B. A. Arbuzov, Z. G. Isaeva, and V. V. Ratner	1391	1401
Synthesis and Polymerization Properties of Ethers of Vinyl Glycolate and Vinyl Hydracrylate – S. I. Sadykh-zade and A. S. Rzaeva	1396	1407
Reactions of α -Halo Ketones. XI. Kinetics of the Reactions of 2-Halo-2-phenylacetophenones with Sodium Methoxide in Methanol – V. S. Karavan and T. I. Temnikova	1399	1410
Reactions of α -Halo Ketones. XII. Reactions of 2-Bromo-2-phenylpropiophenone and Its 3-Aryl Derivatives with Sodium Methoxide in Methanol – V. S. Karavan and T. I. Temnikova	1405	1417
Synthesis of Alkylallyl-s-triazine-2,4,6(1H, 3H, 5H)-triones with Functional Substituents in the Alkyl Group – L. G. Balitskaya, K. K. Khomenkova, and K. A. Kornev	1409	1421
Herbicidal Hydroxylamine Derivatives V. S-Alkyl Arylhydroxythiocarbamates – Yu. A. Baskakov and N. G. Rozhkova	1411	1423
Chlorination of 2-Methylenebutyraldehyde – V. Z. Annenkova and L. V. Vasil'eva	1414	1427

Functional Derivatives of Malonaldehyde and Their Reactions. XVII. 3-Haloacrolein		
Acetals - A. V. Gerasimenko, R. Ya. Popova, T. V. protoparpova and A. P. Skoldinov	1416	1429
Alkylation of Hydroquinone with Butyl Alcohol - V. A. Bogolyubskii	1420	1433
Addition of Sodium Arenesulfonates to α,β -Unsaturated Compounds - V. Mikhailova, N. Borisova, and D. Stankevich	1423	1437
Fries Rearrangement in Compounds Modeling the Repeating Unit of an Aromatic Polyester - S. V. Vinogradova, V. V. Korshak, S. A. Siling, and B. V. Lokshin	1427	1441
Structure of Silver Salts of Polynitroalkanes - V. I. Slovetskii, A. I. Ivanov, S. A. Shevelev, A. A. Fainzil'berg, and S. S. Novikov	1430	1445
Direct Replacement of a Nitro Group in Aromatic and Heterocyclic Nitro Compounds with Halogen. VII. Replacement of the Nitro Group of Nitrobenzene with Bromine - A. A. Ponomarenko and R. E. Shindel'	1435	1450
Areneazoethynes - A. M. Sladkov, L. Yu. Ukhin, and G. N. Gorshkova	1440	1456
Allylation of Phenols and Phenol Ethers. V. Allylation of Pyrocatechol and Hydroquinone in Presence of Cuprous Compounds - I. S. Nikoforova and S. G. Mel'kanovitskaya	1443	1459
Reactions of α -Epoxides with Proton-Donor Compounds in Presence of Tertiary Amines. I. Reaction of 1,2-Epoxy-3-phenoxypropane with Phenol in Presence of Tertiary Amines - M. F. Sorokin and L. G. Shodé	1447	1463
Reactions of α -Epoxides with Proton-Donor Compounds in Presence of Tertiary Amines. II. Mechanisms of the Reactions of 1,2-Epoxy-3-phenoxypropane with Phenols of Various Acidity in Presence of Tertiary Amines - M. F. Sorokin and L. G. Shodé	1452	1469
Cyanine Dyes from Thiazolo[3,2-a]indole Derivatives - A. I. Kiprinov and V. P. Khilya	1457	1474
Cyanine Dyes from Thiazolo[2,3-c][1,4]-benzoxazine Derivatives - A. I. Kiprianov and V. P. Khilya	1461	1478
Benzimidazoline Derivatives. III. - A. V. El'tsov and V. S. Kuznetsov	1465	1482
Hydrolysis and Hydrazinolysis of 1,4- and 1,3-Dimethyl-5-[(arylsulfonyl)-imino] tetrazolines - V. P. Shchipanov	1471	1489
Synthesis and Infrared Spectra of 2-Benzopyrylium Salts - G. N. Dorofeenko, A. D. Semenov, V. I. Dulenko, and S. V. Krivun	1474	1492
Synthesis of 2-Benzopyrylium Salts from Deoxypiperonyl - G. N. Dorofeenko, E. V. Kuznetsov, and S. V. Krivun	1480	1499
Steric Structure of 1-Alkyl-3-benzoyl-4-piperidinols and the Stereochemistry of Their Synthesis - B. V. Unkovskii, A. A. Mel'nikova, M. G. Zaitseva, and Yu. F. Malina	1483	1501
1,2,3,4,5,6,7,8-Octahydroacridine Derivatives. II. Syntheses of 9-Substituted 1,2,3,4,5,6,7,8-Octahydroacridines from 1,2,3,4,5,6,7,8-Octahydro-9- Nitroacridine 10-Oxide - G. A. Klimov and M. N. Tilichenko	1488	1507
O- and N-Methylated 4,6-Pyrimidinediol Derivatives - G. M. Kheifets and N. V. Khromov-Borisov	1492	1511
Dimers of N-Methyl Derivatives of 4,6-Pyrimidinediol - G. M. Kheifets, N. V. Khromov-Borisov, and A. I. Kol'tov	1497	1516
LETTERS TO THE EDITOR		
Transtyrylation - P. F. Butskus, N. V. Ragutene, and A. I. Butskene	1503	1523
Aryl- and Alkyl-iminosulfurous Dichlorides - L. N. Markovskii and E. S. Levchenko	1504	1524
Diene Condensation of Furan with Azodiformic Ester - K. N. Zelenin and I. P. Bezhan	1505	1524
Photodegradation of Methoxy Epoxides - T. I. Temnikova and I. P. Stepanov	1506	1525
Synthesis of 1,2,7,8-Tetrahydroacridine - G. A. Klimov and M. N. Tilichenko	1507	1526
4-Amino-2-hydroxy-3-phenylbutyric Acid - V. S. Grineva, M. M. Zobacheva, and V. V. Perekalin	1508	1526
Reactions of 2-Nitro-1,3-indandione with α -Epoxides - N. P. Strepetov	1510	1528
4-Vinylpyrocatechol - O. S. Karchmarchik and V. A. Kropachev	1511	1528

The Hyperfine Structure of the Spectra of Some Aromatic N-Oxide Ether Derivatives - L. A. Kalashnikova, M. B. Neiman, É. G. Rozantsev, and L. A. Skripko	1513	1529
Investigation of the Kinetics of the Catalytic Decomposition of Ethyl Diazoacetate. II. Kinetics of the Copper Stearate Catalyzed Decomposition of Ethyl Diazoacetate in Cyclohexane - A. G. Witenberg, I. A. D'yakonov and A. Zindel'	1516	1532
Isomer Distribution on Chlorination of Chloropropanes - Ya. I. Rotshtein, B. E. Krasotkina, and N. G. Sokolovskaya	1522	1539
Reaction of Nitrogen Oxides with Bromoolefins. I. Reaction of Nitrogen Tetroxide with Vinyl Bromide, Propenyl Bromide, and Isopropenyl Bromide - S. V. Vasil'ev and O. T. Burdelev	1526	1542
Tertiary Trihydric Alcohols of the Acetylenic and Ethylenic Series and Their Reactions. XXXIII. Synthesis of 1,2,5-Glycerines of the Acetylenic Series with a Phenyl Radical and Their Chlorohydrins - V. I. Nikitin and V. K. Sudorenko	1532	1549
Investigation of Unsaturated α -Oxides Having a Triple Bond in the β -Position to the Oxide Ring - M. S. Malinovskii, M. P. Khmel, and A. F. Maslyuk	1536	1553
Kinetic Study of Cyclotrimerization of Butadiene to cis-, trans-, trans-1,5,9-Cyclododeca- triene with the Catalyst $[C_2H_5]_2AlCl + TiCl_4$ - L. I. Zakharkin and V. M. Akhmedov	1539	1557
The Addition of Hydrogen Bromide to Acetylenic Aldehydes - L. F. Chelpanova and G. Bondarev	1543	1561
The Free Radical Addition of Alkane Acids and Their Esters to Acetylenic Compounds - Yu. N. Ogibin and G. I. Nikishin	1546	1565
The Catalytic Addition of Carboxylic Acids to Vinylacetylene in the Vapor Phase - L. N. Vorob'ev and A. A. Petrov	1549	1568
Synthesis and Properties of Allenic Hydrogencarbon Derivatives. VI. Addition of a Series of Aliphatic and Heterocyclic Lithium-Organic Compounds to Vinylalkylacetylenes - L. N. Cherkasov, V. A. Kormer, Kh. V. Bal'yan, and A. A. Petrov	1553	1573
Investigations in the Area of an Aliphatic Series of Acids. XVIII. The Synthesis of Docosapentayne-7,10,13,16,19 Acid - G. I. Myagkova, G. M. Zotova, N. D. Tarutina, and N. A. Preobrazhenskii	1558	1578
Investigations in the Area of Lipids. XXXVII. The Synthesis of α -O-(1-Hexadecenyl)- β,α' -dipalmitoylglycerine - G. A. Serebrennikova, E. A. Narfenov, N. A. Perlova, and N. A. Preobrazhenskii	1560	1580
Synthesis of ω,ω' -Difunctionally Substituted Unbranched Polyenes from 2,4,6-Octatriene- dial by the Wittig Reaction - B. G. Kovalev, A. A. Shamshurin, and N. P. Dormidontova	1563	1584
Chemistry of Unsaturated Ethers. XXIV. A Means of Preparing Vitamin A Ethers - O. A. Shavrygina, D. V. Nazarova, and S. M. Makin	1566	1586
Synthesis of 1-(2',2',6'-Trimethyl-1'-cyclohexenyl)-3-methyl-1,3-octadiene-5-yne-7-one and of γ -Alkoxyvinylacetylenes - M. Batkibekova, N. V. Zotchik, and I. A. Rubtsov	1569	1589
O-Methyl Ethers of Nitroacetic Ester in 1,3-Dipolar Addition - V. A. Tartakovskii, I. E. Chlenov, S. L. Ioffe, G. V. Lagodzinskaya, and S. S. Novikov	1573	1593
Synthesis of N-Trichloromethylmercapto Derivatives of Nitroformaldehyde 4-Sulfonamido- phenylhydrazones and of 1-(4-Sulfonamidophenyl)-5-aryl-3-nitroformazan - L. S. Pupko, A. I. Dychenko, and P. S. Pel'kis	1578	1599
Steric Configuration of 2-Hydroxy-2,3,3-trimethyl-4-cyanocyclohexanones - A. G. Yurchenko	1582	1604
Studies in the Enamine Field. V. Synthesis of 1,2-Cyclohexanedione and 1,2-Cycloheptane- dione Monoarylhydrazones and Transformations of These Compounds under Conditions of the Fischer Reaction - V. I. Shvedov, L. B. Altukhova, and A. N. Grinev	1586	1608
Adamantane and Its Derivatives. VIII. Synthesis and Acid Hydrolysis of Triply and Quadruply Substituted Acylamino Adamantane Derivatives - F. N. Stepanov and Yu. I. Srebrodol'skii	1590	1612

Condensations of Aldehydes and Ketones. XVI. The Structure of δ -Triscyclanones - M. N. Tilichenko.	1593	1615
Substituted Lactones and Their Transformations. VIII. Preparation of Bicyclic Lactones and 8-Oxabicyclo[4,3,0]nonanes by Reduction of 1,2,3,6-Tetrahydrophthalic Anhydrides - V. M. Dashunin and R. V. Maeva.	1597	1619
Reactions of β -Chloroethyl Cyclohexyl Ketone Cyclohexyl β -Alk (and Ar)oxyethyl Ketones - A. G. Ismailov and G. I. Safarov.	1601	1624
Substituted Lactones and Their Transformations. IX. Reaction of δ -Methyl- δ -valerolactone with Polyphosphoric Acid - A. L. Voitsekhovskaya and V. M. Dashunin.	1604	1628
Adamantane and Its Derivatives. IX. Kinetics of the Solvolysis of Some Bromo Derivatives of Adamantane - F. N. Stepanov and G. I. Danilenko.	1607	1630
Adamantane and Its Derivatives. X. Lability of the Halogen in Haloadamantanes - F. N. Stepanov and Yu. I. Srebrodol'skii.	1609	1633
Adamantane and Its Derivatives. XI. Concerning the Molecular Asymmetry of Adamantane Derivatives - F. N. Stepanov and V. F. Baklan.	1611	1635
Relative Chloromethylation Rates of Benzene Hydrocarbons and Their Correlation Using the Hammet-Brown-Taft Equation - G. S. Mironov, M. I. Farberov, V. D. Shein, and I. I. Bespalova.	1615	1639
Chemistry of Free Radicals of Hydrazine Series. XXXIX. N,N'-Bis(3- β -phenyl- β -p- methoxyphenylhydrazyl)pyridazine - A. A. Maksimov and R. O. Matevosyan.	1620	1644
Chemistry of Free Radicals of Hydrazine Series. XL. Thiazolylphenyldinitrophenyl- hydrazyls and Their Properties - R. O. Matevosyan and D. P. El'chinov.	1623	1646
Alkylation of Aromatic Compounds with Dienic Hydrocarbons and Their Hydrochlorides. XIII. α,γ -Dimethylallylation of Aromatic Hydrocarbons with Piperylene Hydrochloride in the Presence of Ferric Chloride - L. P. Yanichkin, E. A. Vdovtsova, and I. P. Tsukervanik.	1626	1649
Alkylation of Isopropyl Phenyl Ether with Olefins - E. V. Alisova and S. V. Zavgorodnii.	1629	1652
Syntheses and Some Properties of Vinyl 2-Aminophenyl Sulfide - G. G. Skvortsova, Z. V. Stepanova, and S. M. Tyrina.	1633	1656
β -Hydroxy- and β -Halocarbonyl Compounds. IV. Reaction of Sodium Methylate with ω -Bromopivalophenones - T. I. Temnikova and N. A. Oshueva.	1636	1659
Influence of Methyl Groups on the Rate of the Nucleophilic Substitution of Chlorine in Benzene and Pyridine Derivatives - N. I. Kudryashova, N. V. Khromov-Borisov, and T. D. Fedorova.	1639	1663
The Question of the Structure and Reactions of Aromatic Diazo Compounds. XXXIV. Conversions of N-Nitrosoacetarylides in Aqueous Media - B. A. Porai-Koshits and V. V. Shaburov.	1643	1666
Kinetics of the Benzoylation of Aromatic Amines with Benzoic Thioanhydride - L. M. Litvinenko and N. M. Oleinik.	1647	1671
Iodonium Derivatives of β -Diketones. X. Catalytic Cleavage of Phenyliodonium Betaines of β -Dicarbonyl Compounds - B. Ya. Karele and O. Ya. Neiland.	1656	1680
Reaction of Ethylene Oxide with Phenyliminophosgene - V. S. Étlis, A. P. Sineokov, and M. E. Sergeeva.	1659	1684
Synthesis of Aldehydes from Bromomethylstilbenes by the Sommelet Reaction - K. G. Tashchuk and A. V. Dombrovskii.	1661	1686
Synthesis of Triphenylethylene Derivatives. II. o-Anisyl Analogs of Chlorotrianisene - L. N. Volovel'skii and V. G. Khukhryanskii.	1664	1688
2-n-Propylindan-1,3-dione and Its Amino Derivatives - G. Ya. Vanag, Ya. Ya. Ozol, and S. K. Germane.	1667	1691
Influence of Substituents in Isomeric Compounds. III. Synthesis of Methylsulphonyl- naphthoic Acids - R. N. Berezina and T. N. Gerasimova.	1670	1694
The Influence of Substituents in Isomeric Compounds. IV. Ionization Constants of Methylsulfonylnaphthoic Acids - V. A. Koptug, R. N. Berezina, and V. P. Petrov.	1672	1696

Spectropolarimetric and Spectroscopic Investigation of Amides of Pyridinecarboxylic Acids - A. N. Kost, L. A. Golovleva, P. B. Terent'ev, A. P. Terent'ev, and V. M. Dem'yanovich	1676	1700
The Pinacolone Rearrangement in the 1-Azabicycloalkane Series. II. - A. D. Yanina, E. E. Mikhlin, and M. V. Rubtsov	1682	1707
Synthesis and Properties of 3,3-Dimethyl-1-m-chlorophenyl-1-hydroxyphthalan - L. A. Pavlova and I. V. Samartseva.	1686	1712

LETTERS TO THE EDITOR

Alkylation of Triphenylphosphine with Arsonium Salts - Nik. A. Nesmeyanov and O. A. Reutov.	1690	1716
On the Preparation of Isocyanates of Chloroformaldehyde Arylhydrazones - M. O. Lozinskii, S. N. Sanova, and P. S. Pel'kis	1691	1716
The Interaction of the Nitrile Groups in 1,4-Dicyano-1-butene - S. K. Smirnov, A. P. Tomilov, O. G. Strukov, and I. G. Sevast'yanova.	1693	1717
Beckmann Rearrangement of Oximes of 18 α H- and 18 β H-3-Ketomethylglycyrhetates - G. A. Tolstikov and M. I. Goryaev.	1694	1718
On the Reaction of Sidnones with Esters of Fumaric and Maleic Acids - A. Ya. Lazaris.	1695	1719
The Mechanism of Reaction of Phenanthrenequinone with Sodium Amalgam - E. N. Dokunikhina, V. M. Voznyak, D. N. Shigorin, and V. O. Lukashevich	1696	1720
Synthesis of N-Substituted Flavoeosins-Acridinic Analogs of Rhodamine Dyes - I. S. Ioffe and A. L. Shapiro.	1697	1721

Number 10

October, 1966

New Ring Formation of Tertiary Dialkylamino Alcohols of a Series of Acetylenes. I - F. Ya. Perveev and V. M. Demidova.	1699	1725
New Ring Formation of Tertiary Dialkylamino Alcohols of a Series of Acetylenes. II - F. Ya. Perveev, V. M. Demidova, and T. A. Kosheleva	1704	1731
Tertiary Triatomic Alcohols of an Acetylene and Ethylene Series and Their Conversions - V. I. Nikitin and V. K. Sidorenko	1707	1734
Simple Vinyl Ethers in the Diene Synthesis. IV. The Reactivity of Vinyl Alkyl and Vinyl Aryl Ethers in the Diene Synthesis with Hexachlorocyclopentadiene - D. E. Stepanov and A. V. Kalabina	1713	1741
Reaction of Compounds Containing a Trichloromethyl Group at a Double Bond with Copper - L. M. Yagupol'skii and E. A. Chaika.	1716	1744
Synthesis and Properties of Allenic Hydrocarbon Derivatives. VII. Reaction of Oxygen and Halogens with Lithium Allenes - O. V. Perepelkin, V. A. Kormer, and Kh. V. Bal'yan.	1719	1747
Investigations on Aromatic and Heterocyclic Organolithium Compounds. VIII. Reaction of Vinylisopropenylacetylenes with Aromatic and Heterocyclic Organolithium Compounds - L. N. Cherkasov and Kh. V. Bal'yan.	1723	1751
1,3-Enynic Amines. V. Syntheses Involving 1-Dialkylaminobut-1-en-3-yne - A. A. Petrov, I. A. Maretina, and N. A. Pogorzhel'skaya	1728	1757
The Telomerization of Bivinyll with Triphenylchloromethane - Z. N. Kolyaskina and A. A. Petrov	1732	1762
1,3-Bipolar Addition to Unsaturated Compounds. XVI. Addition of Acetonitrile N-Oxide to Some 1,3-Dienic Compounds - L. K. Vagina and V. N. Chistokletov.	1736	1766
Intermolecular Condensation of N-Phenyl- β -aminocrotonic Ester with the Formation of a Benzene Ring - I. A. Zaitsev, M. M. Shestaeva, and V. A. Zagorevskii	1740	1769
Investigation in the Field of Lipids. XXXIX. Synthesis of α -O-(Tetradec-1-enyl)- β , α -Isopropylideneglycerol - M. V. Berezovskaya, T. P. Zubkova, I. K. Sarycheva, and N. A. Preobrazhenskii.	1745	1774
Investigations in the Field of Lipids. XL. Synthesis of the Glyceride Principles of Sunflower-Seed Oil - T. K. Mitrofanova, V. D. Gusev, and N. A. Preobrazhenskii	1748	1778

Investigations in the Field of Lipids. XLI. Synthesis of the Glyceride Principle of Milk Fat — V. N. Klykov, G. A. Serebrennikova, and N. A. Preobrazhenskii	1751	1782
The Condensation of Hydroxyphthalans with Acetic Anhydride — L. A. Pavlova and I. V. Samartseva	1754	1785
Investigation in the Field of Amino Acids. I. Conversion of α -Substituted γ -Butyrolactone- γ -carboxylic Acids into γ -Substituted Glutamic Acids — G. M. Shakhnazaryan, L. A. Saakyan, A. A. Akhazaryan, and M. T. Dangyan	1759	1790
Synthesis of α -Substituted γ -Butyrolactone- γ -carboxylic Acids — G. M. Shakhnazaryan, L. A. Saakyan, A. A. Akhazaryan, and M. T. Dangyan	1762	1793
Syntheses of Hydrazides of Natural Amino Acids. III. Methylenedihydrazides of N-Acetyl- α -Amino Acids — N. M. Khvorova and Z. V. Pushkareva	1765	1795
Cyclopropanes and Cyclobutanes. XLVIII. The Chlorination of Phenylcyclopropane — Yu. S. Shabarov, N. M. Koloskova, N. A. Donakaya, N. M. Loim, and R. Ya. Levina ..	1768	1798
δ -Lactones and δ -Lactams. LI. Isomerization of δ -Enol Lactones to 1,3-Cyclohexanediones — N. P. Shusherina, T. Kh. Gladysheva, and R. Ya. Levina	1771	1801
δ -Lactones and δ -Lactams. LII. Lithium Aluminum Hydride Reduction of δ -Enol Lactones with a Semicyclic Double Bond to 1,3-Cyclohexanediols — T. Kh. Gladysheva, T. I. Likhomanova, E. G. Treshchova, N. P. Shusherina, and R. Ya. Levina	1774	1804
Aromatic Hydrocarbons. XXXI. Synthesis of 1,2,3,4-Dibenzanthracenes — V. R. Skvarchenko, V. A. Puchnova, Zh. I. Aksel'rod, and R. Ya. Levina	1778	1809
Reactions of Aromatic Nitro Compounds. XXV. Reaction of Symmetrical Trinitrobenzene and Its Derivatives with Acetone in Alkaline Medium — A. Ya. Kaminskii and S. S. Gitis ..	1780	1811
Reactions of Aromatic Polynitro Compounds. XXVI. Transesterification of 3,5-Dinitro- veratrole — S. S. Gitis, A. I. Glaz, A. Sh. Glaz, and A. Ya. Kaminskii	1784	1816
Chemical Transformations of Aminostyrenes. I. Synthesis of p-Styryl Isothiocyanate and Some Substituted Thioureas from It — A. M. Shur and N. A. Barbs	1787	1819
Infrared Spectra of Diazonium Salts of Organic Acids — L. A. Kazitsyna, N. B. Dzegilenko, A. A. Kibkalo, V. V. Kozlov, and B. I. Belov	1790	1822
Estimation of the Degree of Bond Conjugation in Some α,β -Unsaturated Nitro Compounds and Nitriles by Infrared Spectra — M. R. Yagudaev and A. D. Grebenyuk	1794	1825
Thermal Decomposition of Benzenesulfonyl Azide in Cyclohexanone — G. P. Balabanov, Yu. I. Dergunov, and V. A. Gal'perin	1797	1828
Initiation and Chain Transfer in Radical Reactions in the Presence of Salts of Metals of Variable Valence — I. B. Afanas'ev and T. N. Eremina	1800	1832
The Reaction of 3-Methyl-3,4-epoxy-2-butanone with Phenols — I. G. Tishchenko and O. N. Bubel'	1806	1838
Arenesulfonyl Benzimide Chlorides. I. Synthesis, and Investigation of Hydrolysis and Reaction with Amines — V. L. Dubina and S. I. Burmistrov	1809	1841
Arenesulfonyl Benzimide Chlorides. II. Arenesulfonyl Thioaroylamides and Their Properties — V. L. Dubina and S. I. Burmistrov	1813	1845
Azacyanines. VI — A. I. Kiprianov and T. M. Verbovskaya	1816	1848
Cyanine Dyes with a Naphthalene Nucleus in the Polymethine Chain — A. I. Kiprianov and A. A. Shulezhko	1820	1852
Investigation of the Positive Bridging Effect in Binuclear Amines from Measurements of Ionization Constants and N-H Stretching-Vibration Frequencies — L. M. Litvinenko, E. V. Tutov, R. S. Cheshko, M. V. Shchavinskaya, and V. I. Rybachenko	1824	1857
Synthesis of 5,6-Cycloheptenopyrilium Salts — G. N. Dorofeenko, Yu. A. Zhdanov, A. D. Semenov, V. A. Palchikov, and E. P. Olekhovich	1830	1864
Study of the Mechanism of Isomerization of Naphthalene Monosulfonic Acids. IV. Utilization of Compounds Labeled with Radioactive Sulfur — V. A. Koptug and S. A. Shkol'nik ...	1835	1870
Free Nitroxide Radicals of the Hydrogenated Quinoline, Benzoxazine, and Indole Series — A. B. Shapiro, A. A. Medzhidov, and E. G. Rozantsev	1838	1873
Sidnones and Sidnoneimines. XXXII. Acids of the Sidnone Series — S. A. Zotova and V. G. Yashunskii	1842	1877

Syntheses on the Basis of 2-Benzothiazolylvinyl Sulfide — E. N. Prilezhaeva and L. I. Shmonina	1847	1883
S-Aryl Derivatives of 1,3-Disubstituted Thioureas — E. P. Nesynov, M. M. Besprozvannaya, and P. S. Pel'kis	1854	1891
LETTERS TO THE EDITOR		
β -Trichloromethyl- β -propiolactone — F. I. Luknitskii and B. A. Vovsi	1858	1895
Synthesis of Ethynylketones with the Help of Zinc Haloacetylenes — L. I. Vereshchagin, O. G. Yashina, and T. V. Zarva.	1859	1895
Synthesis of an Unsymmetrical Diacetylenic α -Oxide — Yu. M. Portnyagin.	1860	1896
On the Dimeric Nitrosochlorides of Cyclohexene — M. A. Samartsev and K. A. Ogioblin.	1861	1896
Synthesis of Substituted trans-1-Phenyl-2-vinylcyclopropane — R. Ya. Levina, I. G. Bolesov, Wu Li Hsiehying, and N. P. Samoilova.	1862	1897
A New Example of Endo-exo Migration of the Double Bond in a Series of Compounds with a Three-Carbon Ring — N. A. Ampilogova, I. A. D'yakonov, and R. R. Kostikov.	1863	1898
Preparation of Acetylides of Copper and Silver — M. F. Shostakovskii, L. A. Polyakova, L. V. Vasil'eva, and A. I. Polyakov.	1865	1899
A New Synthesis of Octahydrothioxanthenes — V. G. Kharchenko, T. I. Krupina, and S. K. Klimenko.	1866	1899
On the Instability of Derivatives of 1,4-Diazaanthraquinone — G. A. Efimova and L. S. Éfros.	1867	1900
Synthesis of 2-Nitrobenzimidazole ("Benzazomycin") — A. F. Pozharskii, E. A. Zvezdina, and A. M. Simonov.	1868	1900
On the Mechanism of Interaction of 5-Bromo-2-nitrofurane with Amines — V. N. Novikov and Z. N. Nazarova.	1869	1901
The Reaction of Nitro-Trinitromethylation of Ethylene with Tetranitromethane — K. V. Altukhov and V. V. Perekalin.	1870	1902
Chlorides of Polyfluoroaromatic Acids in the Friedel-Crafts Reaction — N. N. Vorozhtsov, Jr., V. A. Barkhash, and S. A. Anichkina.	1871	1903
5-N-Substituted Aminofuryl Ketones — Z. N. Nazarova and L. D. Babeshkina.	1872	1903
The Problem of the Direction of Addition of Mercaptans to Vinylacetylene — A. A. Petrov and B. S. Kupin.	1873	1904

Number 11

November, 1966

Calculations by the MO LCAO Method and the Acidity of the Diketo and Enol Forms of Various β -Dicarbonyl Compounds — É. Ya. Gren and G. Ya. Vanag.	1875	1905
Calculations by the MO LCAO Method and the Electronic Spectra of the Anionic Forms of Unsubstituted and 2-Phenyl-Substituted 1,3-Diketones — É. Ya. Gren and G. Ya. Vanag.	1881	1911
Electron Exchange Interaction in Free Iminoxyl Tetradicals of a Series of Diphenyls — V. A. Golubev, M. B. Neiman, É. G. Rozantsev, and V. I. Suskina.	1886	1916
On the Orientation of Free Radical Addition to Alk-1-enes — G. I. Nikishin, M. G. Vinogradov, and R. V. Kereselidze.	1888	1918
Acid Hydration and Nucleophilic Addition of Alcohols and Mercaptans to Arylalkylthioacetylenes — Yu. A. Boiko, B. S. Kupin, and A. A. Petrov.	1893	1923
Synthesis and Properties of Derivatives of Allenic Hydrocarbons. IX. Reactions of Lithium Allenes or Adducts of Lithium Alkyls to Enyne Alcohols with Carbonyl Compounds — O. V. Perepelkin and Kh. V. Bal'yan.	1897	1928
Synthesis and Properties of Allene Hydrocarbon Derivatives. X. Reaction of Dimethylvinylacetylenylcarbinol with Organolithium Compounds of the Aromatic and Heterocyclic Series — L. N. Cherkasov, Kh. V. Bal'yan, and V. A. Kormer.	1902	1934
Synthesis and Properties of Allene Hydrocarbon Derivatives. XI. Addition of Organolithium Compounds to Vinylphenylacetylene and Vinylalkylacetylenes — L. N. Cherkasov, Kh. V. Bal'yan, and V. A. Kormer.	1906	1938

Oxonization of 1-Hexene and Properties of Ozonides — S. D. Razumovskii, L. V. Berezhova, N. D. Gil'chenok, O. M. Oranskaya, Yu. N. Yur'ev, and V. K. Tsyyskovskii.	1910	1942
α,β -Unsaturated Thiolacetates. I. Vinyl Thiolacetate in Homolytic Addition Reactions — N. P. Petukhova and E. N. Prilezhaeva.	1914	1947
α,β -Unsaturated Thiolacetates. II. Vinyl Thiolacetate in the Diene Condensation — N. P. Petukhova and E. N. Prilezhaeva.	1921	1954
Action of Nitrogen Oxides on Bromoolefins. II. Action of Dinitrogen Tetroxide on Isobutenyl Bromide — S. V. Vasil'ev and O. T. Burdelev.	1927	1961
The Action of Nitrogen Oxides on Bromoolefins. III. The Action of Dinitrogen Tetroxide on α - and β -Bromostyrenes — S. V. Vasil'ev and O. T. Burdelev.	1931	1965
Tertiary Trihydric Alcohols of the Acetylenic and Olefinic Series and Their Chemical Transformations. XXXV. Monoethers and Their Hydrogenation — V. I. Nikitin, E. M. Glazunova, S. S. Sabirov, and I. N. Grigina.	1935	1969
Investigations in the Field of Amines and Ammonium Compounds. XXXIX. Thermal and Alkaline Cleavage of Quaternary Ammonium Salts Containing Substituted Ethyl Groups — A. T. Babayan, G. T. Martirosyan, and D. V. Grigoryan.	1939	1974
Investigations in the Field of Amines and Ammonium Compounds. XL. Synthesis of Tertiary Amines Containing the α -Substituted Penten-4-yn-2-yl Group — A. T. Babayan, K. Ts. Tagmazyan, and É. S. Ananyan.	1946	1984
Investigations in the Field of Amines and Ammonium Compounds. XLI. Alkaline Cleavage of 1,4-Diquaternary Ammonium Salts Containing the 2-Chloro-3-methylbuten-2-yl Group as Common Group — G. B. Bagdasaryan, M. G. Indzhikyan, and A. T. Babayan. .	1949	1987
Investigations in the Field of Amines and Ammonium Compounds. XLII. On the Alkaline Cleavage of 1,4-Diquaternary Ammonium Salts with a Buten-2-ylene Common Radical — A. T. Babayan, M. G. Indzhikyan, A. A. Grigoryan, and M. Zh. Ovakhimyan. .	1954	1992
Enynic and Diynic Amines. VI. Ethylenic Ynamines — I. A. Maretina and A. A. Petrov. . .	1957	1994
Research in the Field of Higher Acids of the Aliphatic Series. XIX. Synthesis of 4,8,12-Tetradecatrienoic Acid — A. V. Novozhilov, G. I. Myagkova, and N. A. Preobrazhenskii.	1960	1997
The Total Synthesis of 7,10,13,16-Docosatetraenoic Acid — G. I. Myagkova, Yu. B. Pyatnova, I. K. Sarycheva, and N. A. Preobrazhenskii.	1961	1998
Investigations in the Field of Lipids. XLII. A New Method of Synthesis of Neutral Plasmalogens — T. V. Serebryakova, E. N. Zvonkova, G. A. Serebrennikova, and N. A. Preobrazhenskii.	1966	2004
Reactions of Some Saturated Monobasic Acids with Hydrogen Peroxide under UV Irradiation — V. E. Shurygin, L. S. Boguslavskaya, Z. P. Volkova, and G. A. Razuvaev.	1969	2007
Synthesis and Reactions of β -Lactones. II. The Problem of the Stability of the Ring of β -Trichloromethyl- β -propiolactone — F. I. Luknitskii and B. A. Vovsi.	1973	2012
N,N-Dialkylamides of Alkanesulfonic Acids — L. K. Maslii and T. P. Razbegaeva.	1976	2014
Interaction of Metal Derivatives of Compounds Containing a Labile Hydrogen Atom with α -Haloketones. The Reaction of α -Haloketones with Na-Malononitrile — T. I. Temnikova and Yu. A. Sharanin.	1979	2018
Investigations in the Region of Macrocyclic Compounds. V. Directed Intramolecular Cyclization of α,ω -Acetylenic Derivatives — E. P. Zinkevich, I. K. Sarycheva, and N. A. Preobrazhenskii.	1982	2021
Macrocyclic Compounds. VI. Synthesis of Macrocyclic Ketones — E. P. Zinkevich, I. K. Sarycheva, and N. A. Preobrazhenskii.	1987	2026
Macrocyclic Compounds. VII. Synthesis of Cyclopentadecanone (Exaltone) and P Pentadecanolide (Tibetolide) — É. P. Zinkevich, A. D. Treboganov, N. S. Genokhova, I. K. Sarycheva, and N. A. Preobrazhenskii.	1990	2028
Transformations of Bridged Bicyclic Hydrocarbons. V. Isomerization of Methylbicyclo-[2.2.1]heptanes in the Presence of Aluminium Chloride — N. A. Belikova, A. A. Bobyleva, and A. F. Platé.	1993	2031
Study of the Mechanism for the Transformations of Cycloalkylaromatic Compounds in the Presence of H ₂ SO ₄ Using Labeled Atoms — V. G. Lipovich and V. M. Kazantseva. . . .	1997	2035

Autoxidation of Spiro[4.5]dec-5-ene and 5-Methylspiro[4.5]dec-5-ene — A. I. Chirko and V. S. Perzashkevich	1999	2038
Reaction of Alkene Oxides with Hydroxyl Radicals — G. A. Razuvaev, V. S. Étlis, and E. P. Beshenova	2003	2041
Perfumes from Alkylphenols. XII. Synthesis of Perfumes from Cyclooctylphenols — A. S. Podberezina and L. A. Kheifits	2007	2045
Free-Radical Addition of Trichloromethylsulfenyl Chloride to Vinyl Aryl Ethers — É. F. Kolmakova, A. V. Kalabina, Yu. K. Maksyutin, and L. N. Spiridonova	2010	2048
Investigation in the Field of Terpenophenols. XXVII. Study of the Products of the Condensation of Norbornene with Guaiacol — I. S. Aul'chenko and L. A. Kheifits. . . .	2015	2055
Investigation in the Field of Terpenophenols. XXVIII. Study of the Products of the Condensation of Camphene with Guaiacol and Their Hydrogenation — L. A. Kheifits, I. S. Aul'chenko, and G. M. Shchegoleva	2019	2059
Stereochemistry and Reactivity of Unsaturated Compounds. II. Synthesis and Reactivity of γ -Aldehydoacids of the Δ^3 -Cyclohexene Series — G. P. Kugatova-Shemyakina, V. M. Andreev, and S. A. Kazaryan	2025	2065
The Chemistry of Esters of Keto Acids of the Acetylene Series. VI. The Reaction of Esters of Phenylethynylglyoxalic Acid with Hydrazines, Hydrazides, and Hydroxylamine — I. I. Lapkin and Yu. S. Andreichikov	2034	2075

LETTERS TO THE EDITOR

The Addition of Ethoxycarbonylcarbene to 2-Methylhex-1-en-4-yne — I. A. D'yakov, R. N. Gmyzina, and L. P. Danilkina	2038	2079
Adducts of Dienes with Benzyldienemalonate Ester in the Synthesis of Fluorenes — V. R. Skvarchenko, V. A. Puchnova, E. A. Bakova, and R. Ya. Levina	2040	2080

Number 12

December, 1966

Reaction of Phenylethynylketone with Azide Ion in Various Media — A. N. Nesmeyanov and M. I. Rybinskaya	2041	2081
Electrophilic Substitution on the Aromatic Carbon Atom. V. Effect of the Medium on the Protolysis of Phenyl Mercuric Bromide — I. P. Beletskaya, A. E. Myshkin, and O. A. Reutov	2046	2086
Polarography of Organomercury Compounds. Di(α -carboethoxybenzyl)mercury — I. P. Beletskaya, K. P. Butin, and O. A. Reutov	2053	2094
Oxidation of the Chlorethylenes. III. Photochemical Oxidative Decomposition of Di- and Trichloroacetyl Chloride and Its Influence on the Oxidation of Tri- and Tetrachlorethylene — B. G. Yasnitskii, E. B. Dol'berg, and G. I. Kovalenko . . .	2060	2101
Kinetics and Mechanism of Reaction of Amines with Ethylenechlorohydrin and Ethylene Oxide in the Presence of Hydrogen Chloride — Ya. K. Plyuchinskii, N. N. Lebedev, and M. M. Smirnova	2067	2108
Investigations in the Field of Amines and Ammonium Compounds. XLIII. A Cyclopent-2-enyl Group Rearrangement-Elimination Reaction — A. T. Babayan, M. G. Indzhikyan, and G. B. Bagdasaryan	2073	2115
Investigation in the Field of Amines and Ammonium Compounds. XLIV. Alkaline Cleavage of Quaternary Ammonium Salts Containing the 4-Hydroxybutyne-2-yl of 4-Chlorobutyne-2-yl Group — A. T. Babayan, Zh. G. Gegelyan, and M. G. Indzhikyan	2075	2117
Investigation in the Field of Amines and Ammonium Compounds. XLVI. Alkaline Cleavage of Quaternary Ammonium Salts Containing 2,3-Dichloro-3-methylbutyl or 2-Chloro-3-methylbutene-2-yl Groups — A. T. Babayan, M. G. Indzhikyan, A. A. Grigoryan, and L. Kh. Gamburyan	2079	2122
1,4-Dibromo-2,3-epoxybutane — M. S. Malinovskii, V. G. Dryuk, A. G. Yudasina, and N. N. Maksimenko	2086	2129

Reaction of β -Bromo- β -nitroalkenes with Nitroalkanes—N. I. Aboskalova, A. S. Polyanskaya, V. V. Perekalin, N. K. Golubkova, and T. Ya. Paperno.	2090	2132
Polyfunctional Vinyl Ethers. III. Vinyl Ethers of γ -Acetylenic Alcohols—V. M. Vlasov, G. G. Balezina, and E. I. Kositsyna	2095	2137
Condensation of 3-Ethyl-3,4-epoxy-1-pentyne with Ketones in Acid and Alkaline Media —M. S. Malinovskii, A. G. Yudasina, T. S. Skrodskaia, and V. G. Larionova	2100	2142
Synthesis and Transformations of Unsaturated Organic Compounds. XXXIV. Synthesis and Transformations of Branched Tertiary Acetylenic Hydroxy Ethers —I. A. Shikhiev, S. A. Rzaeva, and B. M. Guseinzade	2105	2148
Synthesis and Transformations of Oxygen-Containing Unsaturated Organic and Organosilicon Compounds. XXXVI. Synthesis and Transformations of Some Hydroxy Ethers of the Acetylenic Series—I. A. Shikhiev, I. A. Aslanov, S. Sh. Verdieva, and E. M. Isaev	2108	2150
Cyclopropanes and Cyclobutanes. XLVII. Acetylation of Stereoisomeric 1,2-Diphenylcyclopropanes—Yu. S. Shabarov, E. S. Efremov, V. K. Potapov, and R. Ya. Levina	2111	2154
Synthesis and Determination of Configuration of cis-1-Iodomethyl-2-methylcyclobutane —V. P. Gol'mov and Z. P. Malevannaya	2116	2159
Isomerization of Polymethylene Hydrocarbons under the Influence of Aluminum Chloride. XXVIII. Isomerization of Spiro[4.4]nonane—M. B. Turova-Polyak, I. S. Sosnina, N. A. Belikova, and A. F. Plate	2119	2162
Synthesis of Semioxamazones and Their Derivatives—S. D. Moshchitskii, L. S. Sologub, A. F. Pavlenko, and V. P. Akkerman	2121	2164
Reductive Dimerization of Salicylaldehyde and Aromatic Ketones during Their Indirect Electroreduction—L. N. Lavrishcheva, T. A. Volodina, and V. N. Belov	2124	2167
Polymethylation of 2-Substituted Dimedons—R. E. Valter, A. E. Kipinya, and G. Ya. Vanag	2129	2172
Acyl Peroxides. XV. Synthesis of Diacyl Peroxides by the Oxidation of Aldehydes in the Presence of Benzoic Anhydride—Yu. A. Ol'dekop, G. S. Bylina, L. K. Burykina, and G. S. Kislyak	2133	2175
Synthetic Studies in the Macrocyclic Compound Series. IV. A New Cyclooctanone Synthesis—A. D. Treboganov, R. S. Astakhova, A. A. Kraevskii, and N. A. Preobrazhenskii	2136	2178
Studies in the Lipid Field. XLIV. New Means of Synthesizing 1-Alkenyl Alkyl Ethers by the Wittig Reaction—S. P. Ivashchenko, I. K. Sarycheva, and N. A. Preobrazhenskii	2139	2181
Studies in the Lipid Field. XLV. Stereospecific Synthesis of DL-erythro-Dihydrospingosine—E. N. Zvonkova, K. I. Éiler, V. I. Tsetlin, V. I. Mitsner, and N. A. Preobrazhenskii	2141	2184
Organic Insecticides and Fungicides. CVI. Synthesis of Some Guanidine Derivatives —L. A. Kiselev, V. E. Ruchkin, N. M. Osipova, N. N. Mel'nikov, and K. D. Shvetsova-Shilovskaya	2144	2186
Phosphoric and Thiophosphoric Esters containing Heterocyclic Radicals. VIII. Reaction of Acid Chlorides of Phosphoric Acids with β -Aminopyridine and α -Aminoquinoline—B. A. Arbuzov, V. M. Zoroastrova, and S. P. Shcherbak	2148	2190
Reduction of Acid Chlorides to Aldehydes with Sodium Tri-tert-butoxyaluminum Hydride —L. I. Zakharkin, D. N. Maslin, and V. V. Gavrilenko	2153	2197
Synthesis of Anesthetics on the Basis of β -Diketones. II. Dialkylaminoalkyl Esters of (2-Arylindanedione-1,3-yl-2)-acetic and propionic Acids—R. É. Valter	2157	2201
Transformations of 3,4-Dihydro-3,4,5,9,10-pentabromoacenaphthene—G. P. Petrenko and V. G. Usachenko	2162	2206
Replacement of Halogen in Azo Compounds. XX. Ionization Constants of Derivatives of 4-Benzeneazo-1-(p-sulfophenyl)-3-methylpyrazolone-5 and the Stability of Their Copper Compounds—B. I. Stepanov and B. A. Korolev	2165	2209

Replacement of Halogen in Azo Compounds. XXI. The Mobility of Chlorine in Some Derivatives of Benzeneazophthalene and Benzeneazopyrazolone—R. A. Korolev and B. I. Stepanov.	2168	2212
Replacement of Halogen in Azo Compounds. XXII. 2-Alkoxo-6-chlorobenzene-(1-azo-1')-naphthols-2—M. A. Andreeva and B. I. Stepanov.	2171	2214
Chemistry of Free Radicals of the Hydrazine Series. XLI. The Reactivity of Hydrazyl Radicals containing Benzazole Residues at the α -Nitrogen Atom—L. A. Petrov and R. O. Matevosyan.	2173	2216
Anthraquinone Derivatives. XIII. 2-n-Alkylanthraquinones—N. S. Dokunikhin and L. V. Galitsyna.	2176	2219
Investigations in the Series of Pyran, Its Analogs, and Related Compounds. XX. Synthesis of Amino Derivatives on the Basis of the Neber Rearrangement—N. V. Dudykina and V. A. Zagorevskii.	2179	2222
Isoxazolizidines. III. Structure and Spatial Directivity of the 1,3-Dipolar Cycloaddition Reaction of Nitron Ethers—V. A. Taratakovskii, A. A. Onishchenko, V. A. Smirnyadin, and S. S. Novikov.	2183	2225
Studies in the Field of Pyran, Its Analogs, and Related Compounds. XIX. Tosylation of Esculetins—V. A. Zagorevskii, Z. D. Kirsanova, and D. A. Zykov.	2189	2231
Electron Exchange Interactions in Free Imine Oxide Biradicals of the Biphenyl Series—É. G. Rozantsev, V. A. Golubev, V. I. Suskina, and M. V. Neiman.	2192	2235
Structure and Reactions of Aromatic Diazonium Compounds. XXXVI. Reactions of Bis-diazonium Salts Forming Analogs and Derivatives of Biphenyl-bis-diazonium Compounds—B. A. Porai-Koshits and A. B. Tomichin.	2195	2238
Allyl Phenyl Selenide and Its Prototopic Isomerization—E. G. Kataev, L. M. Kataeva, and G. A. Chmutova.	2200	2244
Possible Quantitative Combination of Radicals Attached to a Central Atom of an Element. V. Compounds Containing Carbon as the Central Atom—I. I. Lapkin and I. S. Rogozhnikova.	2204	2248
Synthesis of Derivatives of N-Methylpyridone from Sodionitromalonaldehyde—S. M. Kvitko, V. V. Perekalin, and N. V. Buival.	2209	2253
LETTERS TO THE EDITOR		
New Information on the Mechanism of the Reaction of Diphenyldiazomethane with Silicoolefins—I. A. D'yakonov, I. V. Repinskaya, and G. V. Golodnikov.	2212	2256
Polyfunctional Vinyl Ethers—Substituted Vinyl Ethers of Acetylenic Alcohols—M. F. Shostakovskii, V. M. Vlasov, and G. G. Balezina.	2213	2257
Rearrangement of γ , δ -Epoxyalkylacetoacetic Ester into a Substituted Dihydropyran—B. A. Ershov, Z. G. Leus, V. I. Ivanova, and T. I. Temnikova.	2214	2257
Rearrangement of γ , δ -Epoxyketones into 5- α -Hydroxy-4,5-dihydrofurans—B. A. Ershov, T. P. Zubova, V. I. Ivanova, O. A. Ermakov, and T. I. Temnikova.	2215	2258
Photochemical Decomposition of α -Cyano- α , β -diphenylethylene Oxide—I. P. Stepanov, O. A. Ikonopistseva, and T. I. Temnikova.	2216	2259
Formation of Epoxyacids in the Oxidation of Unsaturated Acids with Potassium Permanganate—N. P. Bulatskii.	2218	2260
Reaction of Benzoyl Chloride with Methyl Dithioacetate in the Presence of Triethylamine—Yu. G. Gololobov and T. F. Dmitrieva.	2219	2260
Convenient Method for the Preparation of Pyridinium Cyclopentadienylide—N. K. Baranetskaya, D. N. Kursanov, and V. N. Setkina.	2220	2261
New Synthesis of p-Vinylstyrene Oxide—G. M. Pogosyan and S. G. Matsuyan.	2221	2262
Arylaliphatic α -Methene-1,5-diketones—G. V. Pavel' and M. N. Tilichenko.	2222	2262
9, 10-Addition of Ethoxycarbonylcarbene to Anthracene—T. V. Domareva-Mandel'shtam, I. A. D'yakonov, and L. D. Kristol.	2223	2263
INDEX		
Author Index.	2227	
Table of Contents.	2235	



